



भारत का राजपत्र

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सं. 18]

नई विल्सन, शनिवार, मई 1, 1993 (बैशाख 11, 1915)

No. 18]

NEW DELHI, SATURDAY, MAY 1, 1993 (VAISAKHA 11, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 1st May 1993

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Calcutta-700 020.

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Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 1 मई 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवैरिथत है तथा चम्बड़, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादौरीक क्षेत्राधिकार ज्ञान के आधार पर निम्न रूप में प्रवर्णित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट, तीसरा तल, लोअर परलेन (पश्चिम) नम्बर-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दीव एवं कावरा और नगर हवेली।

तार पता—“पेटेंटिफिस”

पेटेंट कार्यालय शाखा, एकल सं. 401 से 405, तीसरा तल, नगरगालिका बाजार भवन, लरन्डी मार्ग, करले थाना, नंबर दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, गजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं मध्य शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—“पेटेंटिफिक”

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, करेल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पांडिचेरी, लक्ष्मीपुर, मिन्निकाय तथा एस्ट्रिनिदिद ब्रिटिश।

तार पता—“पेटेंटिफिस”

पेटेंट कार्यालय (प्रधान कार्यालय), निजाम पंलेस, दिवतीय बहुतलीय कार्यालय, भवन 5, 6 तथा 7वां तल, 234/4, बाजार जगदीश बोस रोड, कलकत्ता-700020।

भारत का अवशेष क्षेत्र।

तार पता—“पेटेंटेस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्रॉफ्ट अथवा चैक द्वारा की जा सकती है।

APPLICATION FOR PATENTS FILED AT THE
OFFICE BRANCH,
MUNICIPAL MARKET BUILDING, 3RD FLOOR,
KAROL BAGH, NEW DELHI-110 005

1st February, 1993

85/De/93 Centre stephanois de recherches mechaniques hydromechanique et frottement, “Process for phosphating steel parts to improve corrosion and wear resistance”.

2nd February, 1993

86/Del/93 ELF atochem S.A., “Process for inclusion in (meth) acrylic resins of substances of liquid to solid consistency”.

87/Del/93 The Procter & Gamble company, “Process for making detergent granules by naturalisation of sulphonic acids”. (Convention date 14-02-1992) (U.K.).

88/Del/93 Research development foundation, “Photo-deviometer”.

3rd February, 1993

89/Del/93 Kamalamma ramanadhan, “Collision accident passenger safety system (caps system) with reflex safetylock device”.

90/Del/93 The Procter & Gamble company, “Multifunctional device for receiving and dispensing a pourable product and closing a flexible bag”. (Convention date 03-02-1992) (U.K.).

91/Del/93 Erno Raumfahrttechnik GmbH, “Apparatus for damping vibration, especially in containers”.

92/Del/93 General Electric Company, “Dry low nox multi-nozzle combustion liner cap assembly”.

4th February, 1993

93/Del/93 Rajasri, “Versatile plough cart ‘DUKKI BANDI’”.

94/Del/93 Purolator India Limited, “A fuel and lubrication oil filter”.

95/Del/93 Serg Maini, “A multimould manual press”.

96/Del/93 Dorr-Oliver Incorporated, “High pressure screen shower”.

97/Del/93 Dorr-Oliver Incorporated, “Automatic control system for diaphragm pump”.

5th February, 1993

98/Del/93 Megapulse Inc., “High-power rf switch”.

99/Del/93 The Procter & Gamble Company, “Spray pump package employing multiple orifices for dispensing liquid in different spray patterns with automatically adjusted optimized pump stroke for each pattern”.

100/Del/93 Alcoa of Australia Limited, "Process for the treatment of red mud". (Convention date 06-02-92) (Australia).

101/Del/93 Aktiebolaget Astra, "Novel antioxidants".

APPLICATION FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH,
61, WALLAJAH ROAD, MADRAS-600 002

22nd February, 1993

130/Mas/93 S. Murugesan & S. Rajarajan. Energy on two wheelers by weight and pedaling.

131/Mas/93 S. Murugesan & S. Rajarajan. Energy on two wheelers by weight.

132/Mas/93 Yogendra Hunsur Sanjeeva Shetty. Portable smoke tube boiler and domestic boilers.

23rd February, 1993

133/Mas/93 Reiter Ingolstadt Spinnereimaschinenbau Aktiengesellschaft. A method and apparatus for open-end spinning.

134/Mas/93 Philip Morris Products Inc. Method and apparatus for applying a material to a web.

135/Mas/93 Nu-Pipe, Inc. A replacement pipe product for insertion into an existing conduit and a method and apparatus for manufacturing the same. (Divisional to Patent Application No. 274/Mas/89).

24th February, 1993

136/Mas/93 Rhone-Poulenc Chimie. Process for the preparation of P-Aminophenols.

137/Mas/93 BASF Aktiengesellschaft. The concentration of process water and purification of off-gas.

138/Mas/93 Owens-Illinois Plastic Products Inc. Plastic container made from a fusion blend of post consumer plastic and ethylene polymers.

139/Mas/93 Hoechst Aktiengesellschaft. Process for preparing sulfonylureas.

140/Mas/93 Pacific Chemical Co., Ltd. Patches for percutaneous administration of skin-whitening materials.

25th February, 1993

141/Mas/93 Maschinenfabrik Rieter AG. Lifting device.

142/Mas/93 Turbine Blading Limited. Turbine blade repair (February 27, 1992; United Kingdom).

26th February, 1993

143/Mas/93 V. V. Thanga Thirupathy. Pulling circularly and tilting washing machine.

144/Mas/93 SMS Schloemann-Siemag Aktiengesellschaft. Method and apparatus for straightening H-shaped girder sections.

145/Mas/93 SMS Schloemann-Siemag Aktiengesellschaft. Roll Stand.

146/Mas/93 Hoechst Aktiengesellschaft. Process for the preparation of a spherical catalyst component.

147/Mas/93 Formica Espanola, S.A. Improved method of producing high abrasion resistant surface sheets.

148/Mas/93 Carnaudmetal Box PLC (formerly CMB Food-can plc) Laminated metal sheet (March 6, 1992; United Kingdom).

149/Mas/93 Engineer & Co. An adaptor for a plough.

1st March, 1993

150/Mas/93 Bimetal Bearings Limited. Process for overlay plating on steel backed aluminium alloy bimetallic bearing strips for I.C. engines and other bearing surface applications.

151/Mas/93 Michelin Recherche Et Technique SA. Tire uniformity correction without grinding.

152/Mas/93 Biochemic Gesellschaft MBH. Process for the production of clavulanic acid salts.

2nd March, 1993

153/Mas/93 V. V. Thanga Thirupathy. Hanging and dumping in all directions wet and dry grinder.

154/Mas/93 Chevron Research and Technology Company. Lubricating oil compositions for internal combustion engines having silver bearing parts.

155/Mas/93 Pall Corporation. Filter and method for obtaining platelets.

156/Mas/93 Dana Corporation. Ultraviolet radiation curable gasket coating.

157/Mas/93 Raychem Corporation. Hybrid fiber in the loop telephony system.

3rd March, 1993

158/Mas/93 Pavuluri Rama Lakshmana Rao. Circuit for automatic automobile head lamp dipping.

159/Mas/93 Institut Francais du Petrole. A process for the hydrogenation of hydrocarbon charge.

160/Mas/93 The Charles Stark Draper Laboratory Inc. Method and apparatus for detecting skipped stitches for a chainstitch sewing machine.

4th March, 1993

161/Mas/93 Ishihara Sangyo Kaisha, Ltd. Substituted Pyridinesulfonamide compound or its salt, process for preparing the same, and herbicide containing the same.

162/Mas/93 Commonwealth Scientific and Industrial Research Organisation and Siddons Ramset Limited (March 4, 1992; Australia).

163/Mas/93 Westinghouse Brake and Signal Holdings Ltd. A solder joint (March 5, 1992; Great Britain).

5th March, 1993

164/Mas/93 Oliver Rex Anto Emmanuel. A web folder suitable for attaching to equipments such as a printer.

165/Mas/93 Archibald Ian Jeremy Brain. Mould for manufacture of laryngeal mask. (March 5, 1992; United Kingdom).

166/Mas/93 Howard I Podell, David L Podell and Albert Goldstein. Adhesive bondages, wound dressing, sutures, drapes, orthodontic rubber bands, toothbrushes and the like.

167/Mas/93 Sanyo Electric Co. Ltd. Hermetically sealed electric motor compressor.

8th March, 1993

168/Mas/93 Sultan Ahmed Ismail. Preparation of paste for an anti-inflammatory drug.

169/Mas/93 Sultan Ahmed Ismail. Vermicompost plant.

170/Mas/93 ITW Signode India Limited. A diverter for diverting objects coming from a single line into more than one array or line.

9th March, 1993

171/Mas/93 Thirumalai Anandam Pillai Vijayan. An approval of a detachable soft ice cream attachment for refrigerators.

172/Mas/93 Los Alamos Technical Associates, Inc. Electrolytic cell for generating sterilisation solutions having increased ozone content.

173/Mas/93 Hoechst Aktiengesellschaft. Carboxylic acid esters of 2-amino-7-[(1,3-dihydroxy-2-propoxy)methyl] purine their preparation and their use.

10th March, 1993

174/Mas/93 Dr. R. Gopinath. Device to generate power with motor and generator coupled with standly network.

175/Mas/93 Advanced Technologies (Cambridge) Limited. Root Knot nematode resistance. (March 13, 1992; United Kingdom).

176/Mas/93 The Dow Chemical Company. A process for preparing a stable formulation containing a radioactive metal-ligand complex and a divalent metal. (Divisional to Patent Application No. 462/Mas/91).

177/Mas/93. The Dow Chemical Company. A process for preparing a stable formulation containing radioactive metal-ligand complex and a divalent metal, (Divisional to Patent No. 462/Mas/91).

11th March, 1993

178/Mas/93 Pilkington PLC. Oxygen measuring probe. (March 24, 1992; United Kingdom).

12th March, 1993

179/Mas/93 Syed Omer. Manufacture of foaming tooth-paste based on milk and the stems of "salvadora Persica" (botanical).

180/Mas/93 Merpro Tortek Limited. Well Uplift system. (March 13, 1992; United Kingdom).

181/Mas/93 Klockner Stahl GMBH Method and arrangement for reducing the formation of scale during hot deforming of metal, in particular of steel.

182/Mas/93 Yale University, Composition and method for whitening skin.

ALTERATION OF DATE

Patent No. 172189 (880/M/90) Ante dated to 29th December, 1986.

Patent No. 172190 (23/M/92) Ante-dated to 3rd February, 1989.

Patent No. 172205 Ante-dated to 20th January, 1987. (944/M/90)

Patent No. 172206 (34/M/91) Ante-dated to 13th April, 1987.

COMPLETE SPECIFICATION ACCEPTED

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स्वीकृत सम्मूल विनिदेश

एतद्वयारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुशासन का विरोध करने के इच्छुक कोई व्यक्ति, इसके नियम की तिथि से बार (4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियमक, एकस्थ को उपर्युक्त कार्यालय को एसे विरोध की सूचना विहित प्रपत्र 15 पर वे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

‘प्रत्येक विनिदेश के संबंध में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।’

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हैं, के साथ विनिदेशों की टाकित अथवा कांडे प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपर्युक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र अवहार द्वारा सुनिश्चित करने के उपर्यंत उसकी अदायगी पर की जा सकती है। विनिदेश की पृष्ठ संख्या के साथ प्रत्येक स्थीकृत विनिदेश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Class : 172-D₄-[GROUP-XX]

172181

Int. Cl.¹ : B 23 Q 5/00.

IMPROVEMENTS IN OR RELATING TO TRAVELLING CLEANERS FOR USE ON INDUSTRIAL MACHINERIES SUCH AS TEXTILE AND JUTE MILL MACHINERIES.

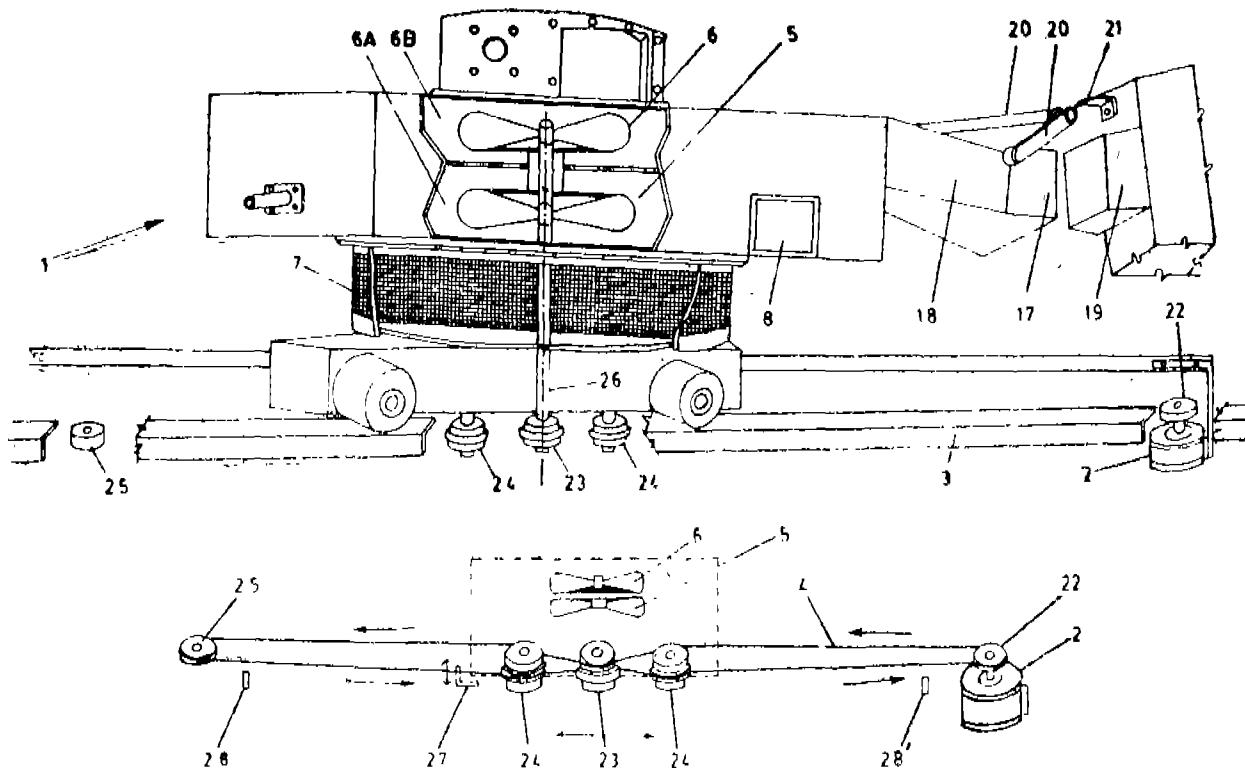
Applicant & Inventor : AVARAMPALAYAM GOPAL-SWAMI NAIDU GOVINDARAJULU, SOLE PROPRIETOR, ALLIED ENGINEERING INDUSTRIES, POST BOX NO. 7011, 36-A, BHARATHI PARK ROAD, S.A.H.S. COLLEGE POST, COIMBATORE-641 043, TAMIL NADU, INDIA, AN INDIAN NATIONAL.

Application No. 852/Mas/88 filed November 30, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

3 Claims

A travelling cleaner for use on industrial machineries, comprising a cleaner unit and a forward-reverse traverse means, said traverse means comprising a stationary drive pulley mounted at one end of said machinery and a stationary driven pulley mounted at the other end of said machinery, an endless belt running between said drive and driven pulleys and driving fan shaft pulley of said cleaner unit and passing through two tension (idle) pulleys loosely mounted on either side of said fan shaft pulley, said fan shaft and tension (idle) pulleys having at least three steps, the middle steps being greater in diameter than the top steps and the bottom steps being lesser in diameter than the middle steps, the belt from the drive pulley being taken through the top steps of said fan shaft and tension (idle) pulleys and the returning belt being taken through either the middle steps or the bottom steps thereof, and a means provided at each said end pulleys to sense the cleaner unit and to actuate a lever means to shift the returning belt from middle steps to the bottom steps or from bottom steps to the middle steps, as desired thereby creating an alternate forward-reverse therein and causing the cleaner unit to travel between the two ends of the machinery.



Comp. 10 pages.

Drgs. 2 sheets

Ind. Cl. : 111 & 155-A&B-[GROUPS-XLI(5)] 172182
XXIII]

Int. Cl. : B 32 B 3/00, B 32 B 31/00.

A REFASTENABLE PRESSURE SENSITIVE ADHESIVE CLOSURE.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, OF 3M CENTER, ST. PAUL, MINNESOTA-55144-1000, U.S.A.

Inventors : (1) ALLEN LEONARD NORREN (2) DEAN RICHARD CRISSINGER (3) WILLIAM LAWRENCE MELBYE (4) ERIC GEORGE RODGERS (5) ALAN JON SIPINEN (6) LEIGH EARL WOOD.

Application No. 184/Mas/89 filed March 6, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

21 Claims

A fastenable pressure sensitive adhesive closure comprising a pressure-sensitive adhesive-bearing fastening tab and a target portion having a working face for contact with said adhesive-bearing fastening tab, wherein

said working face of said target strip is formed with peaks and valleys,

the height of said peaks above said valleys being substantially uniform and from 40 to 300 μm the spacing between adjacent peaks being from 50 to 500 μm the back face of said target portion is substantially flat, and the thickness of the adhesive layer of said tab is no more than 90% of the height of said peaks above said valleys.

Comp. 35 pages; Drgs. 4 sheets

Ind. Cl. : 103-[GROUP-XLV(1)] 172183

Int. Cl. : C 23 C 16/24.

A METHOD OF MANUFACTURING A COATED MATERIAL SURFACE WITH THIN FILM OF SEMICONDUCTOR MATERIAL.

Applicant : UNISEARCH LIMITED, AN AUSTRALIAN COMPANY, OF 221-227 ANZAC PARADE, KEN-

SINGTON, NEW SOUTH WALES 2033, AUSTRALIA.

Inventors : (1) MARTIN ANDREW GREEN (2) STUART ROSS WENHAM.

Application No. 193/Mas/89 filed March 13, 1989.

Convention date : March 11, 1988; (No. PI 7209; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

19 Claims

A method of manufacturing a coated material surface with thin film of semiconductor material comprising the steps of precipitating the semiconductor material from a solution of the semiconductor material and a metal solvent by keeping it in contact with the said material surface to deposit a layer of semiconductor material onto the said material surface, wherein the solvent is a mixture or alloy of, a first metal which forms a low temperature eutectic with the said semiconductor material at a first metal/semiconductor material eutectic temperature and a second metal, or a mixture of second metals having a melting point below the first metal/semiconductor material eutectic temperature or form a eutectic with said first metal with a second metal/first metal eutectic temperature below the first metal/semiconductor material eutectic temperature.

Compl. specn. 23 pages Drgs. 12 sheets
Ind. Cl. : 105-C & 168-C&G-[GROUPS-XLI(7) & LI(4)] 172184

Int. Cl. : G 01 V 1/00.

AN IMPROVED DEVICE FOR GENERATING ACOUSTIC WAVES BY CAUSING A FALLING MASS TO STRIKE A TARGET ELEMENT COUPLED WITH THE WALLS OF A WELL.

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE, OF 4, AVENUE DE BOIS-PREAU, 92502, RUEIL-MALMAISON, FRANCE.

Inventor : PATRICK MEYNIER.

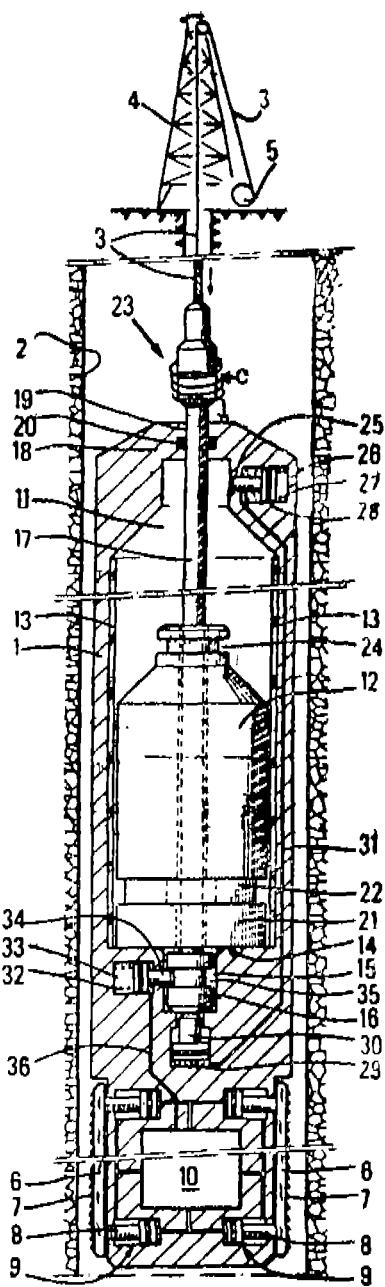
Application No. 199/Mas/89 filed March 15, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

An improved device adapted to be lowered into a well at the end of a connecting element for generating acoustic

waves by causing a falling mass to strike a target element coupled with the wall of the well, comprising an elongate body with a longitudinal chamber, means for moving the mass between a set position and an impact position, retractable anchorage means for coupling the target element intermittently with the wall of the well, resetting means having a support element disposed under the mass and raising means for translating the support element between a bottom position and a top position thereby causing the mass to be translated from said impact position to said set position, and retention means movable for retaining the mass in the set position thereof, characterised in that said raising means has a flexible cable for connecting said support element to drive means disposed outside the well, locking means for locking said support element in the bottom position, a pusher member extending in said chamber at the bottom thereof to be pushed longitudinally when said support member is in the vicinity of its bottom position and coupling means for coupling a displacement of said pusher member under the thrust of the support element to that of said retention means to trip the dropping of the mass.



Ind. Cl. : 165-C-[GROUP-LXVI(7)]
Int. Cl. : D 05 B 3/04.

172185

A DEVICE FOR SELECTIVELY MANIPULATING A LIMP MATERIAL SEGMENT.

Applicant : THE CHARLES STARK DRAPER LABORATORY, INC., INCORPORATED IN THE STATE OF MASSACHUSETTS, U.S.A., OF 555 TECHNOLOGY SQUARE, CAMBRIDGE, MASSACHUSETTS 02139, U.S.A.

Inventor : DONALD C. FLYER.

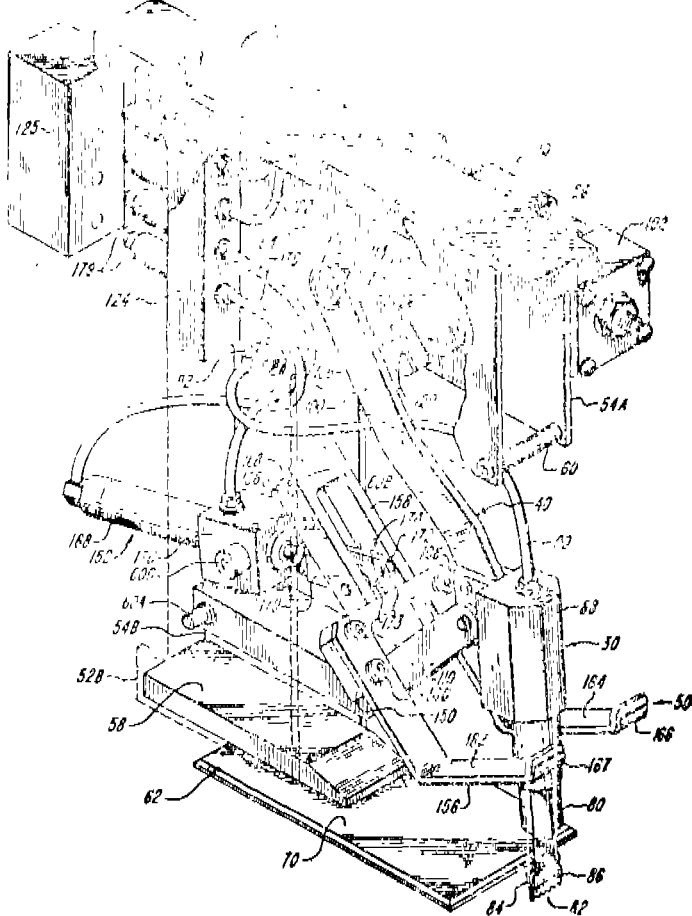
Application No. 204/Mas/89 filed March 16, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A device for selectively manipulating a limp material segment, comprising at least one picker assembly, each said picker assembly consisting :

(A) a body having a base plate; (B) picker having an end effector for selectively grasping and releasing an adjacent surface of a limp material segment in response to an applied grasp/release signal; (C) picker positioning means for positioning said picker with respect to said body, said picker positioning means having (i) a linkage pivotally connected between said body and said picker and constraining motion of an end effector to a path between a segment pick-up position and a segment release position, said segment pick-up position being laterally displaced from said base plate and adjacent to the top segment of a stack, and said segment release position being adjacent to a clamp surface of said base plate, and (ii) first actuator means responsive to an applied pick-up control signal for selectively driving said linkage to move said end effector between said segment pick-up position and a segment release position; (D) clamp means responsive to an applied clamp/release signal for receiving a segment from said picker at said segment release position; and for clamping said received segment to said base plate, (E) a controller with generating means for generating said grasp/release signal, said pick-up control signal; and said clamp release signal and (F) a support surface for supporting said limp material segment to be manipulated.



Ind. Cl. : 107 H [XLVI(2)]
Int. Cl. : F 02 M 67/04

172186

Inventors : (1) DAVID MITCHELL FEE (2) CRAIG WARRFN RIEDIGER.

PNEUMATIC INJECTION DEVICE.

Applicant : INSTITUT FRANCAIS DU PETROLE OF 4, AVENUE DE BOIS-PREAU 92502 RUEIL-MALMAISON FRANCE, A FRENCH COMPANY.

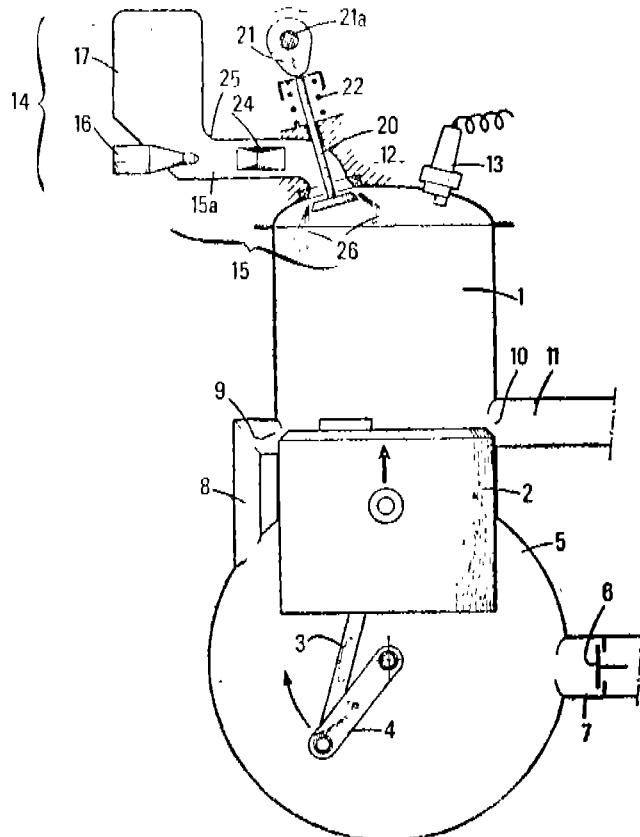
Inventor : PIERRE DURFT.

Application No. 362/Mas/89 filed on 9th May, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

Pneumatic injection device for injection of fuel into a cylinder (1, 30, 30', 40C) of a reciprocating internal combustion engine comprising at least one cylinder (1, 30, 30', 40C), a means of supplying the cylinder with fuel-free air for scavenging, and a pneumatic fuel injection device (14, 32, 32', 42) comprising a pneumatic injector with a chamber terminating in the cylinder, a means of supplying the pneumatic injector with liquid fuel, and a means of supplying the pneumatic injector with pressurized gas to atomize and inject the fuel in finely divided form into cylinder (1, 30, 30', 40C) characterized by the means (17, 35, 35') for supplying the injector with pressurized gas being connected to the chamber of a cylinder of an engine to supply it with the gases contained in the cylinder.



Comp. Specn. 22 pages

Drgs. 2 sheets

Ind. Cl. : 24-F-[GROUP-LV]
Int. Cl. : B 60 T 13/00

172187

CONTROL MECHANISM FOR APPLYING A BRAKE AND OPERATING A TRANSMISSION OF A VEHICLE.

Applicant : CATERPILLAR INC., OF 100 NE ADAMS STREET, PEORIA, ILLINOIS 61629-6490, UNITED STATES OF AMERICA, A CORPORATION DULY ORGANIZED AND INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

Application No. 439/Mas/89 filed June, 5, 1989.

Convention date : November 7, 1988; (No. 582, 370; Canada).

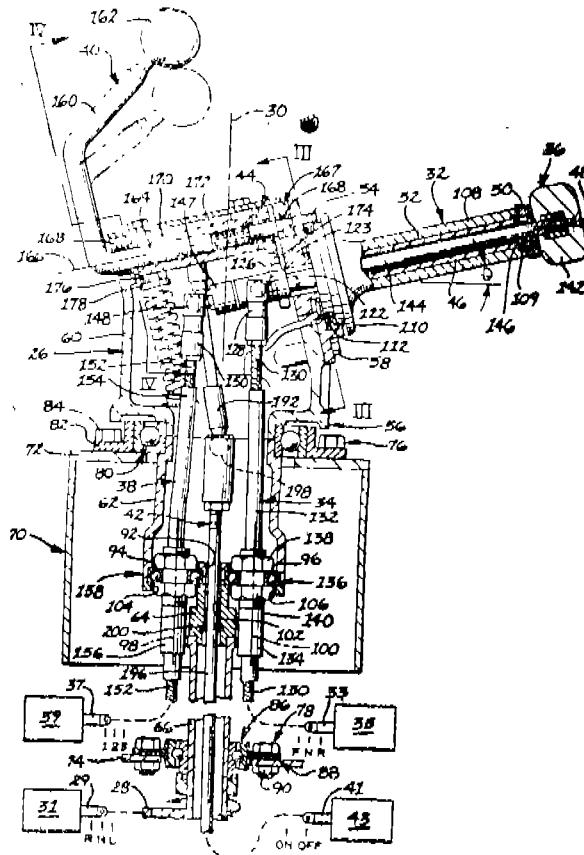
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A control mechanism for applying a brake and operating a transmission of a vehicle having an element mounted on the vehicle for limited rotational movement about an up-standing axis, comprising :

actuator means for controlling the transmission and movement of the vehicle and having a transmission actuating member mounted on the element and being limitedly rotatable about a second axis between a plurality of operating positions and a neutral position;

brake and neutralizer means having a brake actuating member mounted on the element and being limitedly rotatable about a third axis between a brake-off position and a brake-on position, and cam means for positioning the transmission actuating member to the neutral position in response to movement of the brake actuating to the brake-on position, the cam means being directly mechanically connected to the brake actuating member.



Ind. Cl. : 152 F [XII(2)], 155 F1
[XXIII.]

172188

Int. Cl. : C 09 K 21/00, 21/06.

A FIRE PROTECTION MATERIAL COMPOSITION AND A PROCESS FOR PREPARING THE SAME.

Applicant : AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE, FRENCH JOINT-STOCK COMPANY OF 37, BOULEVARD DE MONTMORENCY 75781 PARIS CEDEX 16, FRANCE.

Inventor : NICOLE PASTUREAU.

Application No. 443/Mas/89 dated 6th June 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A fire protection material composition suitable for protecting an element by maintaining the temperature of the element in the order of 150°C or below when the said element is covered with 10 to 20 mm thickness of said fire protection material composition and exposed to a thermal attack corresponding to a flame temperature of 700 to 1000°C for a duration of at least 1 hour, the said composition comprising:

30 to 35% by weight of a silicone elastomer binder;

17 to 23% by weight of a reinforcing charge which is a metal oxide compatible with said silicone elastomer;

38 to 45% by weight of an active charge of an intumescent agent such as herein described capable of producing an endothermic reaction; and

5 to 10% by weight of an insulative charge such as herein described.

Comp. Specn. 17 pages.

Drgs. Nil

Ind. Cl. : 304—[GROUP-XLI(10)]

172189

Int. Cl. : G 01 G 19/02; 1/24.

A FOREOE MEASURING DEVICE.

Applicant : PFISTER GMBH, A GERMAN COMPANY, OF STAHLINGER STR. 70 D 8900 AUGSBURG, FEDERAL REPUBLIC OF GERMANY.

Inventor : HANS W HAFNER.

Application No. 880/Mas/90 filed November 5, 1990.

Divisional to Patent No. 169106 (1020/ Mas/86); Ante-dated to December 29, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

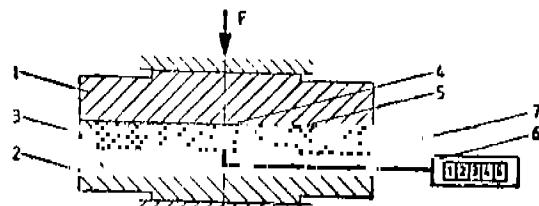
12 Claims

A force measuring device comprising a generally flat housing having an interior bottom surface formed with a plurality of wedge-type ribs extending in parallel to each other in a first dimensional direction of said force measuring device and

a wedge member arranged in said interior of said housing having a lower surface provided with wedge-type ribs complementary to those of said bottom surface of said interior of said housing and having a plane top surface opposing a lower surface of a plane top wall of said housing, gaps being formed between opposing surfaces of said ribs said bottom surface of said interior of said housing and of said lower surface of said wedge member and between said lower surface of said top wall and said top surface of said wedge member;

elastomeric material filling main portions of said gaps with the exception of gap parts laying in marginal regions of said top surface of said wedge member and in regions adjacent to steep leading surfaces of said lower surface of said wedge member; and

— at least one force measuring element mounted in said housing in engagement with a face surface of said wedge member which face surface extends laterally to a direction of movement of said wedge member upon load application on said top surface.



Com. 36 pages

Drwgs. 10 sheets

Ind. Cl. : 71-E—[GROUP-XXVIII(1)]

172190

Int. Cl. : E 02 F 9/28

A REPLACEABLE CORNER TOOTH ASSEMBLY.

Applicant : CATERPILLAR INC., OF PEORIA, ILLINOIS 61629-6490, U.S.A., A CORPORATION DULY ORGANISED AND INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.

Inventors : (1) BILLY RAY BELFORD (2) MARTIN VICTOR KIESEWETTER (3) GENE RALPH KLETT (4) WILLIAM JOSEPH RENSKI.

Application No. 23/Mas/92 filed January 13, 1992.

Convention date : June 7, 1988; (No. 568, 770; Canada)

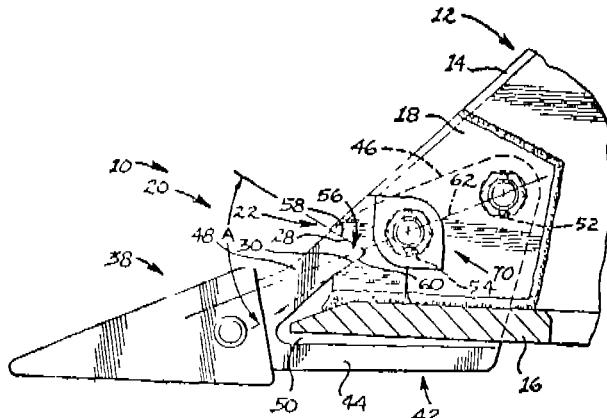
Divisional to Patent Application No. 91/Mas/89 (Ante-dated to February 3, 1989).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

A replaceable corner tooth assembly (10) adapted for use on an implement (12) having a normal forward longitudinal direction of working movement, an upright sidewall member (14) and a laterally disposed cutting edge (16) connected to the upright sidewall member (14), comprising: a corner portion (18/18') adaptable for use as an integral member of the implement (12) and at least a portion thereof generally vertically oriented on the upright sidewall member (14) of the implement (12), said corner portion (18/18') having a leading edge (22), first and second load transferring pads (28, 30) defined on the leading edge (22) thereof, and first and second holes (24, 26) defined therein; and a corner tooth (20/20') having a leading end portion (38) operative to engage the work and a trailing end portion (42) integrally connected to the leading end portion (38) and adapted for releasable connection to said corner portion (18/18'), said trailing end portion (42) having a bottom portion (44/44'), a single upright side portion (46) connected to the bottom portion (44) on one side thereof and having first and second holes (52, 54) defined therein operatively aligned when assembled, with the first and second holes (24, 26) of the corner portion (18/18'), a forward portion (48) connected to the bottom portion (44/44') and to the single upright side portion (46) to define a cavity (50) therebetween which opens in a direction away from both the leading end portion (38) and the single upright side portion (46) and a load transferring portion (56) which has first and second load transferring surfaces (58, 60)

defined on the forward portion (48) and operative to mate with the respective first and second load transferring pads (28, 30) of the corner portion (18/18').



Comp. 20 pages;

Drgs. 2 sheets

Ind. Cl. : 140A₂

172191

Int. Cl.⁴ : B 01 F 17/00

A PROCESS FOR THE PREPARATION OF HIGH MOLECULAR WEIGHT EXTENDED POLYAMINE.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BLVD. WICKLIFFE, OHIO 44092 UNITED STATES OF AMERICA, A CORPORATION OF THE STATE OF OHIO, U.S.A.

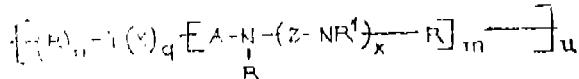
Inventor : THOMAS FRIER STECKEL.

Application for Patent No. 178/Del/86 filed on 28th February, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

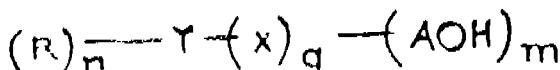
A process for preparing a high molecular weight extended polyamine of Formula 1 :—



of the accompanying drawings

wherein R is independently hydrogen or hydrocarbyl R¹ is hydrogen, alkyl or NH₂, R² (NR²) is an alkylene group of 1 to 10 carbon atoms, Y represents S, N, or O; X is an alkylene group of at least one carbon atoms; A is hydrocarbyl; Z is alkylene of 1 to 10 carbon atoms, a heterocyclic nitrogen containing cycloalkylene or oxyalkylene of 1 to 10 carbon atoms, and wherein u is a whole integer greater than one n is O, 1 or 2 dependent upon m and g, where q is O or 1, m is 1, 2 or 3 and x is 1 to 10; which comprises reacting.

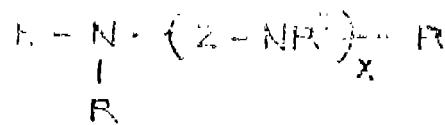
A. at least one hydroxylalkyl or hydroxyaryl reactant represented by the formula II :—



Shown in the accompanying drawings wherein R is independently hydrogen or hydrocarbyl, Y represents S, N, or O; X is an alkylene group of at least one carbon atoms; A is hydrocarbyl; n is O, 1 or 2 dependent upon m and q where q is O or 1 and m is 1, 2, or 3, with

22-47 GI/93

B. at least one amine or polyamine represented by the formula III :—



shown in the accompanying drawings

wherein R is the same as defined above, R¹ is hydrogen, alkyl or NH₂, R² (NR²) is an alkylene group of 1 to about 10 carbon atoms and Y ranges from 1 to 6, Z is alkylene of 1 to 10 carbon atoms, a heterocyclic nitrogen containing cycloalkylene or oxyalkylene of 1 to 10 carbon atoms and wherein x is 1 to 10.

Compl. Specn. 41 pages

Drgs. 5 sheets

Ind. Cl. : 32 F₈ (c) 172192Int. Cl.⁴ : C07C 29/15.

A PROCESS FOR THE PRODUCTION OF METHANOL.

Applicant IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3 JF, ENGLAND.

Inventors : GLYN DAVID SHORT, GODFREY CHARLES CHINCHEN, JAMES GEORGE WILLIAMSON.

Application for Patent No. 747/Del/86 filed on 19 Aug., 1986.

Convention date 30 Aug 1985/8521630/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the production of methanol wherein a gas stream comprising carbon monoxide and hydrogen is passed over a bed of a catalyst at a pressure in the range 20 to 250 bar abs. a temperature in the range 200 to 320°C, and at a space velocity in the range 5000 to 20000 h⁻¹ said catalyst obtained by reduction of a precursor consisting of a calcined intimate mixture of finely divided oxides of copper, zinc, magnesium and aluminium, at least said copper, zinc and magnesium oxides having been introduced by co-precipitation, the proportion of magnesium oxide being such that the magnesium atoms constitute 0.2 to 7% of the total number of copper, zinc and magnesium atoms in the precursor and the proportion of aluminium oxide is such that the aluminium atoms constitute 3 to 30% of the total number of metal atoms in the precursor.

Compl. Specn. 14 pages.

Ind. Cl. : 140 A₂ 172193Int. Cl.⁴ : C 10 L 1/10, C10M 145/10

A PROCESS FOR MAKING AN OIL SOLUBLE DISPERSANT VISCOSITY MODIFYING COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 U.S.A., A CORPORATION OF UNITED STATES OF AMERICA.

Inventors : KATSUMI HAYASHI, CURTIS RICHARD SCHARE, AND THOMAS ROBERT HOPKINS.

Application for Patent No. 1028/Del/86 filed on 25th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A process for making an oil soluble dispersant viscosity modifying composition comprising :

reacting an acylating reaction product as herein described with a polyamine and an effective amount of a monofunctional acid to produce the oil soluble composition wherein said acylating reaction product is a reaction product of

(a) a hydrogenated block copolymer which is consisting of a mono-vinyl substituted aromatic and an aliphatic conjugated diene unit, which copolymer is a normal block copolymer or a random block copolymer having two to about five polymer blocks with at least one block of monovinyl substituted aromatic and at least one block of aliphatic conjugated diene, and having 20 to 70 percent by weight monovinyl substituted aromatic blocks and 30 to 80 percent by weight aliphatic conjugated diene blocks.

(b) 0.2 percent to 20 percent by weight of an alpha-beta olefinic unsaturated carboxylic reagent as herein described and contains 2 to 20 carbon atoms exclusive of the carboxy groups, based upon the total weight of said block copolymer and said unsaturated carboxylic reagent; and

(c) 0.1 to 5 percent by weight of a free radical initiator, based upon the weight of said block copolymer and said unsaturated carboxylic reagent.

Compl. Specn 94 pages

Drgs. 3 sheets

Compl. Specn. 90 pages

Drgs. 3 sheets

Int. Cl.⁴ : C11D 1/02 & 1/38.

A DETERGENT LAUNDRY COMPOSITION AND A PROCESS FOR MANUFACTURING THE SAME.

Applicant : COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.

Inventors : PALLASSANA NARAYAN RAMACHANDRAN, PATRIZIA BARONE, DAVID MALCOLM MACRAE & GREGORIO CUEVAS GERVASIO.

Application for Patent No. 192/Del/87 filed on 04 Mar 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A detergent laundry composition in the form of a bar having improved mildness, foaming properties and processing characteristics, said composition comprises 15 to 40% of synthetic organic anionic detergent which detergent is a mixture of 1 to 5 parts of higher fatty alcohol ethoxylate sulfate, 10 to 50% of a builder such as herein described for the detergent mixture, 20 to 70% of water insoluble powder and/or sodium sulfate filler such as herein described and 5 to 20% of water.

A process for manufacturing a detergent laundry composition in the form of a bar which comprises mixing together 15 to 40% of synthetic organic anionic detergent which detergent is a mixture of 1 to 5 parts of sodium higher fatty alcohol sulfate and 1 to 5 parts of sodium higher fatty alcohol ethoxylate sulfate, 10 to 50% of a builder such as herein described for the detergent mixture, 25 to 70% of water insoluble powder and/or sodium sulfate filler such as herein described and 5 to 23% of water and if desired heating the composition at 105°C for two hours before plodding the mixture, extruding it in bar form and cutting the bar to desired lengths.

Compl. Specn 32 pages.

Ind. Cl. : 69 G LIX (1)

172195

Int. Cl.⁴ : H 01 H 35/00.

SNAP-ACTING SWITCHING DEVICE.

Applicant : LA TELEMECANIQUE ELECTRIQUE, A FRENCH COMPANY, OF 33 BIS, AVENUE DU MARECHAL JOFRE, 92000 NANTERRE, FRANCE.

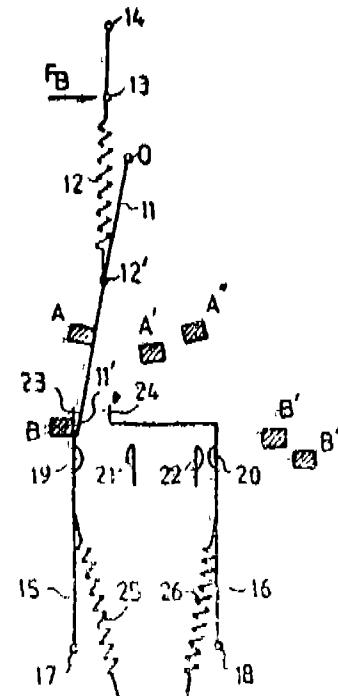
Inventors : BRUNO JACQUET, JEAN PIERRE TELLER, FREDERIC NOIROT.

Application for Patent No. 587/Del/87 filed on 13 July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A snap-acting switching device comprising an over centre device having a lever (11) mounted about a fixed axis (0) for rocking between two angular positions, first and second stops (23, 24) respectively providing said first and second angular positions, a control member (13, 14) whose movement causes rocking of the lever (11) from one to the other of said angular positions after passing through a dead point position, and two switching means (15, 16) whose actuating members are disposed one on each side of the lever (11) so that each of the actuating members cooperates with said lever (11) in a fraction of the stroke thereof, adjacent the corresponding one of said two angular positions, said control member (14, 13) being connected to said lever (11) through a spring the (12) ends of which are respectively fixed on the control member (14, 13) and on a region of the lever (11) distant from said axis, (0) so as form with said lever (11) the said over centre device.



Compl. Specn. 20 pages

Drgs. 3 sheets

Ind. Cl. : 32 E + 40 B
Int. Cl. : C 08 F-4/42, 4/52
C 08 G 85/00.

PROCESS FOR THE PREPARATION OF A COMPLEXED TITANIUM TRICHLORIDE-BASED CATALYTIC SOLID.

Applicant : SOLVAY & CIE, A BELGIAN COMPANY, OF 33, RUE DU PRINCE ALBERT, B-1050 BRUSSELS, BELGIUM.

Inventors : PAUL FIASSE, ALBERT BERNARD.

Application for Patent No. 826/Del/87 filed on 18th September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

Process for the preparation of a complexed titanium trichloride-based catalytic solid under conventional process conditions, which can be used for the stereospecific polymerization of alpha-olefins, said process including preactivating a complexed titanium trichloride-based solid precursor by bringing said precursor into contact with an organoaluminium preactivator, characterized in that the said preactivator is a product of reaction between a compound (a) chosen from amongst organoaluminium compound of a formula $A_1 R_n X_3 \cdot n$ in which R represents hydrocarbon radicals, which may be identical or different, containing from 1 to 18 carbon atoms, X is a halogen, and is a number such that $0 < n \leq 3$ and a compound (b) chosen from amongst hydroxy-aromatic compounds such as herein described, the hydroxyl group of which is sterically hindered and the solid precursor and the preactivator are maintained in contact with each other at a temperature between 0 and the normal boiling point of the side point & C for a period between 5 and 120 minutes.

Compl. Spec. 33 pages

Drgs sheet Nil

Ind. Cl. : 94 G.
Int. Cl. : B02C 4/00.

APPARATUS FOR THE TWO-STAGE CRUSHING OF BRITTLE MATERIAL FOR GRINDING.

Applicant : KRUPP POLYSIUS AG., A GERMAN COMPANY, OF GRAF-GALEN-STR. 17, 4720 BECKUM, FEDERAL REPUBLIC OF GERMANY.

Inventors : GOTTHARDT BLASCHYZK, NORBERT PATEL, HEINZ-GEORG MERSMANN, HARDY KROPP & FRANZ JOSEF ADRIAN.

172196

Application for Patent No. 1030/Del/87 filed on 01 Dec., 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

Apparatus for the two-stage crushing of brittle material for grinding, containing

(a) a roll mill (1);
(b) a second mill (2) connected after the roll mill (1) via a first conduit;

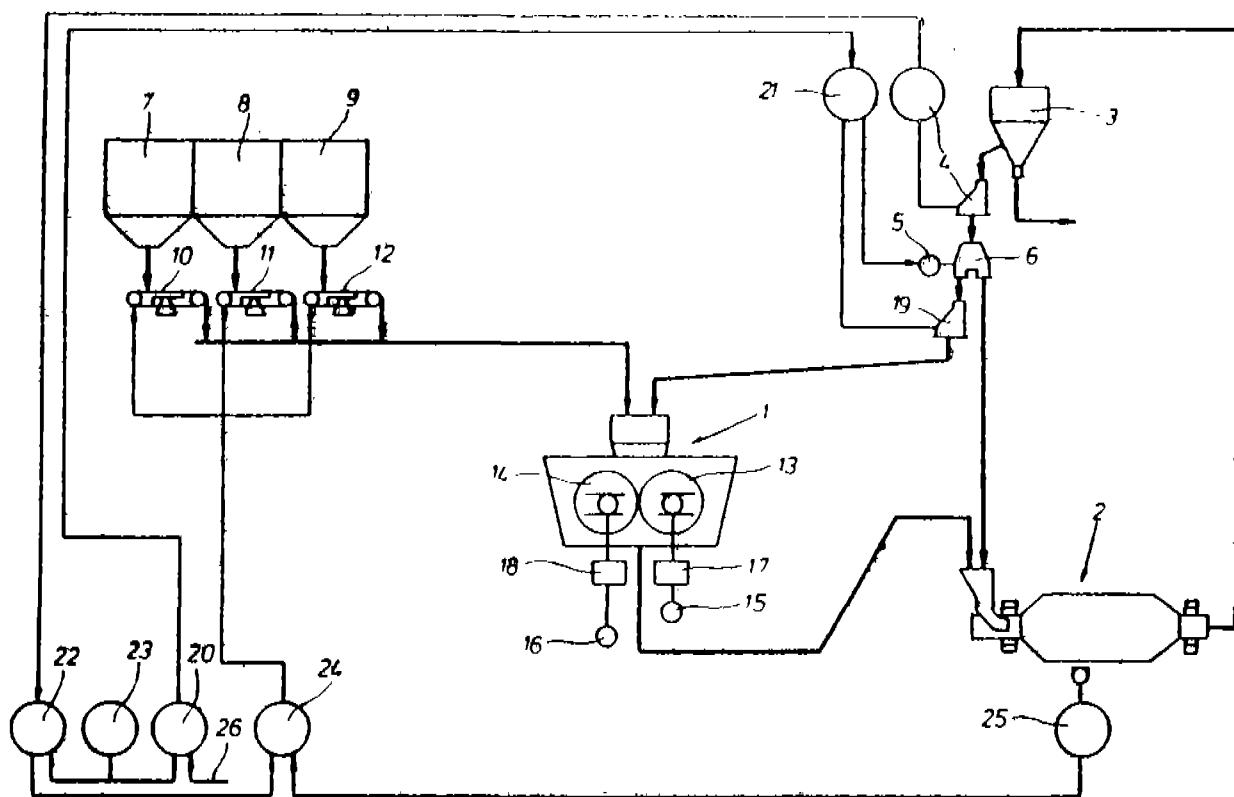
(c) a sifter (3) connected to the second mill (2) via a second conduit for sifting the material discharged from the second mill (2);

(d) a valve device (5) for dividing the quantity of grit obtained in the sifting operation into one branch stream delivered to the roll mill (1) via a third conduit and one branch stream delivered to the second mill (2) via a fourth conduit;

characterised by

(e) a first control circuit (4, 22) comprising a first measuring device (4) connected to said valve device (5, 6) and said sifter, said measuring device (4) determining the quantity of grit obtained in the sifting operation and a regulator (22) connected to said first measuring device (4) and which regulates the quantity of fresh material delivered to the roll mill (1) as a function of the total quantity of grit obtained in the sifting operation to keep constant the sum of the quantity of fresh material and the total quantity of grit;

(f) a second control circuit (19, 20, 21) which comprises a second measuring device (19) connected to said valve device (5, 6) and said roll mill (1), said second measuring device (19) for determining the quantity of grit delivered to the roll mill (1); a computing element (20) which forms a theoretical value for the quantity of grit returned to the roll mill from the quantity of fresh material at that moment and a predetermined theoretical value for the sum of the quantity of fresh material and the quantity of grit returned to the roll mill; a regulator (21) connected to the computing element (20) and the second measuring device (19) which from the theoretical value formed by the computing element (20) and the signal from the second measuring device (19) produces a control signal for the valve device (5, 6) for dividing up the quantity of grit obtained in the sifting operation in order that the sum of the quantity of fresh material and the quantity of grit delivered to the roll mill (1) remains the same.



Ind. Cl. : 70 C₄

172198

Int. Cl.⁴ : H01M 10/00

A PROCESS FOR RECOVERING METALLIC COMPONENTS FROM ELECTRICAL OR ELECTRONIC COMPONENTS.

Applicant : RECYTEC S.A., A SWISS COMPANY, C/O ORFEGEST S.A., OF 4, RUE DU BASSIN 2000 NEUCHATEL, SWITZERLAND.

Inventor : JOZEF HANULIK.

Application for Patent No. 1077/Del/87 filed on 15 Dec., 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A process for recovering metallic components of the kind such as herein described from electrical or electronic components such as spent electrical batteries and assembled printed circuit boards, the above said starting materials being heated and metals present in the residue being electrolytically deposited at the electrode, characterised in that :

(a) pyrolysing said unsorted starting materials at a temperature between 450°C and 650°C to obtain a pyrolysis slag, then

(b) carrying out electrolysis of the pyrolysis slag in an electrolyte comprising preferably borofluoric acid and/or salts of said acid, and subsequently

(c) removing the products accumulated at the electrodes and separating the electrolysis products, in particular the metals and metal oxides, by a metallurgical, electro-chemical or chemical manner known per se.

Compl. Specn. 14 pages

Drgs. 1 sheet

Ind. Cl. : 84 C

172199

Int. Cl.⁴ : C 10 B 3/02

A LARGE CAPACITY COKING REACTOR.

Applicant : BERGWERKSVERBAND GMBH, A GERMAN COMPANY, OF FRANZ-FISCHER-WEG 61, 4300 ESSEN 13, WEST GERMANY.

Inventors : GERD NASHAN, KLAUS WESSIEPE, HERIBERT BERTLING, WOLFGANG ROHDE, MANFRED BLASE, MANFERED GALOW, ULRICH KOCHANSKI, HEINZ DURSELEN, JOHANNES JANICKA, DIETER STALHERM, JOACHIM HOITZ, JURGEN TIETZE AND RALF SCHUMACHER.

Application for Patent No. 1085/Del/87 filed on 16th December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

14 Claims

A large capacity coking reactor which is fed batch-wise with charge mixtures, preferably on the basis of mineral coal, with the reactor being heated indirectly by controllable heating devices via heating walls which bound the reactor chamber on both sides, with heat recovery in regenerators or recuperators characterised in that (a) the reactor having a reactor chamber (1), heating walls (3) and heating devices (10, 19), regenerators or recuperators (R I and II), the reactor chamber (1) having a width of at least 0.7 m and an effective height of at least 8.5 m and an effective length of at least 18 m; (b) the heating walls (3) bounding the reactor chamber (1) are located in parallel-sided fashion;

(c) the reactor chamber (1) is placed with its heating walls (3) between at least two rigid side walls (2), the heating walls (3) being supported rigidly against the side walls (2);

(d) each of the seating walls (3) comprises a runner wall (11) facing the reactor chamber (1) and a separating wall (12) facing the rigid side wall (2) with heating flues being disposed vertically between them; and

(e) all said heating devices (10, 19) and regenerator or recuperators (R I and II) are connected to the two heating walls (3) and separate control and/or regulating elements (19) are connected to the heating flues for the independent heating of the reactor chamber (1).

Compl. Specn. 22 pages

Drgs. 8 sheets

Ind. Cl. : 144 A

172200

Int. Cl.⁴ : B32B 27/08.

A METHOD OF MANUFACTURING AN ADDITIVE PRINTED WIRING BOARD.

Applicant : KOLLMORGEN CORPORATION, OF 10 MILL POND LANE, SIMSBURY, CONNECTICUT 06070, UNITED STATES OF AMERICA.

Inventor : THOMAS SLEIGHT KOHM.

Application for Patent No. 1145 Del 87 filed on 29 Dec. 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A method of manufacturing an additive printed wiring board which comprises coating an organic insulating base material with an phenolic resin-elastomer adhesive layer, curing said adhesive layer, subjecting it to adhesion promotion and plating a metallic conductive pattern thereon, characterised in that said phenolic resin-elastomer adhesive layer comprises :

a phenolic resin, said resin being substantially free of methyl ether groups, having an average of between four and ten phenolic rings per molecule and at least two methylol functional groups;

at least one heat resistant polymer having an aromatic or cyclic backbone and functional groups capable of cross-linking with phenolic methylol without evolving water, said heat resistant polymer being present in an amount sufficient to react with substantially all the methylol groups of the phenolic resin, said polymer with aromatic or cyclic backbone being capable of improving the electrical or heat resistant properties of said bonding composition; and

an elastomer selected from the group consisting of neoprene, nitrile rubber and chlorosulfonated polyethylene, and vinyl and acrylic elastomers, said elastomer being 30 to 60% of the combined weight of the phenolic resin and the heat resistant polymer so that an additive printed wiring board capable of withstanding soldering cycles of at least 255° and repair and component replacement temperature of at least 430°C for at least 10 minutes is produced.

Compl. Specn. 28 pages

Drgwng 1 sheet)

Ind. Class : 27 G [XXVI(1)]

172201

Int. Class⁴ : E 04 C 5/03.

AN IMPROVED STRUCTURAL MEMBER FOR TAKING HIGHER TENSILE/COMPRESSIVE STRESSES AND A METHOD OF MANUFACTURING THE SAME.

Applicant: KRISHNAMURTHY HANASOGE VENKATESH, 1380 SRI VENKATADRI, 6TH CROSS, BANASHANKARI 1 STAGE, BANGALORE-560 050, KARNATAKA, INDIA, INDIAN NATIONAL.

Inventor: KRISHNAMURTHY HANASOGE VENKATESH.

Application No. 789/MAS/88 filed on 11th November 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

4 Claims

An improved structural member for taking higher tensile/ compressive stresses, comprising a bundle of closely placed plain and/or deformed metal bars of substantially the same length, with their respective ends substantially level with each other characterised in that the bars are cold twisted together such that the length of the bundle, after cold twisting, is substantially the same as the length of a bar before cold twisting.

(Comp. specn. 14 pages;

Drwng 1 sheet)

Ind. Cl. . 172-C₃-[GROUP XX]

172302

Int. Cl.⁴ : D 01 G 7/06.

APPARATUS FOR REMOVING FIBRE FLOCKS FROM A LINE OF FIBRE BALES.

Applicant: MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406, WINTERTHUR, SWITZERLAND.

Inventors: 1. ROLF BINDER and 2. DANIEL HANSELMANN.

Application No. 912/MAS/88 filed on 22nd December 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

10 Claims

An apparatus for removing fiber flocks from a line of fibre bales, comprising,

at least one machine frame mounted for reciprocating along a path parallel to a line of bales;

at least one fiber removal means mounted in said machine frame for vertical up and down movement over a fiber bale, said means having at least one rotatable and drivable removal roll for removing fiber flock from a respective fiber bale;

means for pivoting said fiber removal means about a pivot axis within said machine frame; and

control means for pivoting said removal means in said machine frame into a predetermined inclined position while simultaneously and independently moving said removal means vertically during movement of said machine frame along said path.

(Com. Spec. 12 pages;

Drgs. 6 sheets)

Ind. Class : 128-G & 179-F - [GROUPS - XIX(2)]

& XL(6)]

172203

Int. Cl.⁴ : B 65 D 83/14

C 09 K 3/30.

A METHOD OF PRODUCING AN INTERNALLY STERILISED AEROSOL CONTAINER CONTAINING A STERILE SALINE SOLUTION.

Applicant & Inventor: ROBERT HENRY ABPLANAIP, AN UNITED STATES CITIZEN, OF 10 HEWITT AVENUE, BRONXVILLE, NEW YORK 10708, UNITED STATES OF AMERICA.

Application No. 337/MAS/89 filed May 2, 1989.

Convention date: 23 March 1989; (No. 8906844.9; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims (No drawing)

A method of producing an internally sterilised aerosol container containing a sterile saline solution dispensable from the container through a manually operable dispensing valve fitted to the container and under pressure of a pressurised propellant, comprising the steps of passing a saline solution through an electrolytic cell to obtain electrolytically sterilised saline solution, passing the electrolytically sterilised saline solution directly from the electrolytic cell to an aerosol container equipped with a manually operable dispensing valve, filling the container with the electrolytically sterilised saline solution thereby to sterilise the interior of the container, and thereafter pressurising the container with a pressurised propellant such as nitrogen gas with the said sterile saline solution in place in the container.

(Com. 18 pages).

Ind. Class : 38-D [GROUP—LVIII(3)]

172204

Int. Cl.⁴ : H 05 K 1/00; 5/00.

A METHOD OF MANUFACTURING PRINTED CIRCUIT BOARDS FOR MASS SOLDERING, WITHOUT SOLDER MASK, WITH DUPLEX ALLOY PLATING OVER COPPER SUITABLE FOR SURFACE MOUNT TECHNOLOGY, AND A PRINTED CIRCUIT BOARD MANUFACTURED THEREBY.

Applicant: MICROPACK LIMITED, PLOT NO. 16, JIGANI INDUSTRIAL AREA, ANEKAL TALUK, BANGALORE-562 106, KARNATAKA STATE, AN INDIAN COMPANY.

Inventor : VEDU MITTER.

Application No. 428/MAS/89 filed June 1, 1989.

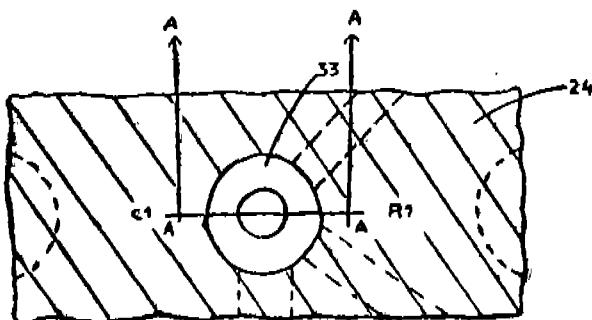
Complete Specification left : September 18, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

A method of manufacturing Printed Circuit Boards without solder mask comprising preparation of all inner layers' conductor patterns by printing and etching separate copper clad laminates and bonding them to a resin coated cap layer foil or copper clad laminate on both sides with interleaving bonding sheets to form a multilayer laminated composite; drilling the holes, deburring and cleaning the holes; plating electroless copper; imaging the outer layers with terminal and test pads only; plating with copper, followed by a duplex plating of Lead and Tin-lead on holes and terminal and test pads; stripping off the resin and etching all unwanted copper areas; reflowing or hot air levelling Tin-lead; printing

legend and blocking via holes, if any; and finishing the Printed Circuit Board.



(Prov. 5 pages)

(Com. pages;

Drawings. 7 sheets)

Ind. Class : 9 (E) [GROUP—XXXIII(1)] 172205

Int. Cl. : C 22 C 33/08.

A PROCESS FOR MAKING AN INOCULANT FOR CAST OR DUCTILE IRON.

Applicant : ELKEM METALS COMPANY, A COMPANY INCORPORATED UNDER THE LAWS OF THE U.S.A., OF PARK WEST OFFICE CENTER, CLIFF MINE ROAD, PO BOX 266, PITTSBURGH, PENNSYLVANIA 15230, U.S.A.

Inventors : (1) MARY JANE HORNUNG and (2) EDWARD C. SAUER.

Application No. 944/MAS/90 filed on November 22, 1990.

Divisional to Patent No. 169153 (35/MAS/87);

Ante-dated to January 20, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims (No drawing)

A process for making an inoculant for cast or ductile iron comprising mixing a strontium ore and any known source of zirconium, titanium or a combination thereof with molten ferrosilicon and/or copper silicon alloy optionally containing

calcium at a temperature for a period of time to obtain an inoculant having 15 to 90% by weight of silicon, 0.1 to 10% by weight of strontium, 0.1 to 15% by weight of zirconium and/or 0.1 to 20% by weight of titanium and 0 to 0.35 by weight of calcium.

(Com. 33 pages).

Ind. Class : 139-G [GROUP—IV(2)]

172206

Int. Cl. : C 01 B 17/04.

A PROCESS FOR THE SELECTIVE OXIDATION OF SULFUR CONTAINING COMPOUNDS IN PARTICULAR HYDROGEN SULFIDE TO FORM ELEMENTAL SULFUR.

Applicants : (1) VEG-GASINSTITUUT N V, A DUTCH LIMITED LIABILITY COMPANY OF WILMERSDORF 50, 7327 AC APELDOORN, THE NETHERLANDS; AND

(2) COMPRIMO B V, A DUTCH PRIVATE COMPANY WITH LIMITED LIABILITY OF JAMES WATTSTRAAT 79, 1097 DL AMSTERDAM, THE NETHERLANDS.

Inventors : (1) PEITER HILDEGARDUS BERBEN and (2) JOHN WILHELM GEUS.

Application No. 34/MAS/91 filed on January 21, 1991.

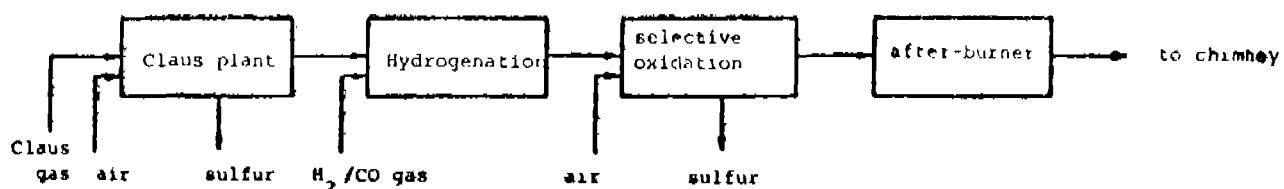
Divisional to Patent No. 169394 (272/MAS/87);

Ante-dated to April 13, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A process for the selective oxidation of sulfur containing compounds in particular hydrogen sulfide to form elemental sulfur by passing a hydrogen sulfide containing gas together with sulfur by passing a hydrogen sulfide containing gas together with an oxygen containing gas at a temperature of at least 150°C over a catalyst consisting a carrier and catalytically active material selected from metal oxides or mixtures of metal oxides of metals such as iron, chromium, nickel or alloys of these metals, the said catalyst having a specific surface area of less than 20 m²/g and less than 10% of the total pore volume having a pore radius ranging between 5 and 500 Å.



(Com. 34 pages;

Drawings. 1 sheet)

Ind. Class : 32-F.1 [GROUP—IX(1)]

172207

Int. Cl.⁴ : C 07 D 265/34.

A PROCESS FOR SELECTIVELY PRODUCING AN (S)-9-FLUORO-3-METHYL-10- (4- METHYL -1- PIPERAZINYL)-7-OXO-3, 4-DIHYDRO-7H-PYRIDO [1, 2, 3-de] [1, 4] BENZOXAZINE-6-CARBOXYLIC ACID HEMIHYDRATE.

Applicant : DAIICHI PHARMACEUTICAL CO., LTD., OF 14-10, NIHONBASHI 3-CHOME, CHUO-KU, TOKYO, JAPAN, A JAPANESE COMPANY.

Inventors :

- (1) YUKIO SATO.
- (2) ATSUSHI SATO.
- (3) TATSURO SUMIKAWA.
- (4) TAZUO UEMURA.

Application No. 175/MAS/91 filed on February 28, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A process for selectively producing an (S)-9-fluoro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-3, 4-dihydro-7H-pyrido [1, 2, 3-de] [1, 4] benzoxazine-6-carboxylic acid hemihydrate, comprising the steps of treating an (S)-9-fluoro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-3, 4-dihydro-7H-pyrido [1, 2, 3-de] [1, 4] benzoxazine-6-carboxylic acid monohydrate by dissolving in an aqueous solvent selected from a group consisting of an aqueous methanol, an aqueous ethanol, an aqueous propanol and an aqueous acetone maintaining the water content of the said aqueous solvent in a range from 2 to 10% by volume per volume of said (S)-9-fluoro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-3, 4-dihydro-7H-pyrido [1, 2, 3-de] [1, 4] benzoxazine-6-carboxylic acid monohydrate and the amount of the said aqueous solvent employed is in the range of from 4 to 8 times the amount of the said (S)-9-fluoro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-3, 4-dihydro-7H-pyrido [1, 2, 3-de] [1, 4] benzoxazine-6-carboxylic acid monohydrate; heating the resulting recrystallization mixture at a temperature of from 50°C to 80°C, and thereafter cooling the recrystallization mixture to temperature of from -5°C to 25°C, to obtain the said hemihydrate.

(Com. 23 pages;

Drwg 1 sheet)

Ind. Class : 55-F [GROUP—XIX(1)]

172208

Int. Cl.⁴ : A 61 K 31/00.

A METHOD OF PREPARING A COMPOSITION ADAPTED FOR INJECTION INTO THE BLOOD STREAM AND BODY CAVITIES OF LIVING BEINGS.

Applicant : SINTETICA S.A., 6850 MENDRISIO, SWITZERLAND, A SWISS COMPANY.

Inventors :

- (1) MICHEL SCHNEIDER.
- (2) DANIEL BICHON.

(3) PHILIPPE BUSSAT.

(4) JEROME PUGINIER.

(5) EVA HYBL.

Application No. 247/MAS/91 filed on March 26, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

18 Claims (No drawing)

A method of preparing a composition adapted for injection into the blood stream and body cavities of living beings, eg. for the purpose of ultrasonic echography, consisting of a suspension of air or gas microbubbles in a physiologically acceptable aqueous carrier phase as herein described comprising the steps of (a) selecting at least one film forming surfactant and converting it into lamellar form; (b) contacting the surfactant in lamellar form with air or an adsorbable or entrappable gas for time sufficient for the air or gas to become bound by said surfactant; and (c) admixing the surfactant in lamellar form with an aqueous liquid carrier as herein described whereby a stable dispersion of air or gas microbubbles in said liquid will result.

(Com. 29 pages).

Ind. Class : 83-A-5 [GROUP—XIV(5)]

172209

Int. Cl.⁴ : A 23 P 1/06.

A PROCESS AND AN APPARATUS FOR PRODUCING SOLUBLE POWDER MATERIALS WITH IMPROVED FLOW CHARACTERISTICS, WETTABILITY, SOLUBILITY, HARDNESS AND COLOUR.

Applicant : SOCIETE DES PRODUITS NESTLE S.A., CASE POSTALE 353, 1800 VEVEY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventors :

- (1) HANSPIETER MAIER.
- (2) KLAUS ZIMMERMANN.

Application No. 274/MAS/91 filed on April 8, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims

A process for producing soluble powder materials such as soluble coffee, soluble tea, soluble chicory powder, soluble cereal extract powder, milk powder, lactose and mixed beverages with improved flow characteristics, wettability, solubility, hardness and colour in the form of agglomerates, the said process comprising wetting the said powder material while flowing the powder material through the center with two coaxial gas streams consisting of an inner gas stream of air or steam and an outer gas stream of steam, the said two gas streams being circular and having uniform velocity over the entire circumference of the stream and the velocity ratio of the inner gas stream to the outer gas stream is maintained in the range of 1: 1 to 8: 1.

(Com. 11 pages;

Drwg. 5 sheets)

Ind. Class : 55-E₂ [GROUP—XIX(1)]

172210

Int. Cl.⁴ : A 61 K 31/52.

A METHOD FOR PREPARING A COSMETIC COMPOSITION FOR TOPICAL APPLICATION TO THE SKIN.

Applicant: SENEKE, PLC, A CORPORATION ORGANIZED UNDER THE LAWS OF GREAT BRITAIN, OF SIX THE PINES COURT, SUITE D, ST. LOUIS, MISSOURI 63141, U.S.A.

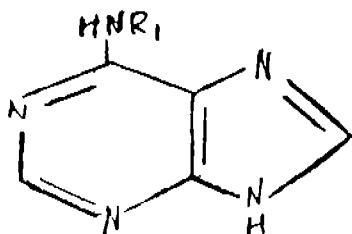
Inventor: SURESH INDER SINGH RATTAN.

Application No. 409/MAS/91 filed May 29, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A method for preparing a cosmetic composition for topical application to the skin by admixing 0.2 ppm to 200 ppm of 6-(substituted amino) purine cytokinin represented by the formula I of the accompanying drawing wherein R₁ is selected from the group consisting of furfuryl, phenyl, benzyl, n-alkyl of 4, 5 or 6 carbon atoms (cyclohexyl) methyl, (3-hydroxymethyl-3-methyl) allyl and 3, 3 dimethylallyl with a non toxic and dermatologically acceptable compounds or mixture of such compounds such as herein described.



FORMULA I

(Com. 32 pages

Drwg 1 sheet)

PATENT SEALED

ON 02-04-1993

169648-*D 170070 170072 170133-* 170140 170144-*D
 170150-*D 170179-*D 170180-*D 170285-*D 170292
 170293-* 170294 170295-* 170296 170297-* 170632 171427.

Cal-05, Mas-09, Del-02 and Bom-02.

*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of sealing.

D-DRUG Patent, F-FOOD Patent.

AMENDMENT PROCEEDING UNDER SEC. 57

The amendments proposed by AMPEX CORPORATION in respect of Patent Application No. 169906 (368/MAS/87) as advertised in Part III, Section 2 of the Gazette of India, on 7th November 1992 and on Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by STATE OF ISRAEL, REPRESENTED BY THE PRIME MINISTER'S OFFICE OF THE ISRAEL INSTITUTE FOR BIOLOGICAL RESEARCH in respect of Patent No. 170689 (426/MAS/90) as advertised in Part III, Section 2 of the Gazette of India on 24th October 1992 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

RENEWAL FEES PAID

151622 151876 151946 152094 152558 152732 152807 152953
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CESSATION DUE TO NON-PAYMENT OF RENEWAL FEES

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 163727 163747 163751 163764 163767.

PATENTS SHALL BE DEEMED TO BE ENROLLED WITH THE WORDS "LICENCE OF RIGHT" UNDER SECTION-87

163041 163264 163640 163418 163722 163750 163649 163801
 163836 163839 163840 163843 163845 163846 163848 163857
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		669/Mas/85—166014.	825/Mas/85—166521.
(165741—167870)		672/Mas/85—165780.	826/Mas/85—166180.
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		681/Mas/85—165781.	831/Mas/85—166343.
1978		684/Mas/85—165880.	832/Mas/85—16/6217.
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1983		686/Mas/85—166015.	834/Mas/85—166395.
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423/Del/84—165761.		706/Mas/85—166172.	849/Mas/85—166343.
458/Del/84—166911.		707/Mas/85—166173.	850/Mas/85—166346.
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598/Cal/85—167651.		720/Mas/85—166177.	863/Mas/85—166131.
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754/Cal/85—166363.		728/Mas/85—165783.	865/Mas/85—166601.
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785/Cal/85—165791.		738/Mas/85—166275.	869/Mas/85—166522.
786/Cal/85—165792.		740/Mas/85—165962.	872/Mas/85—166295.
790/Cal/85—166741.		742/Mas/85—166179.	875/Mas/85—166399.
807/Cal/85—165861.		744/Mas/85—165812.	876/Mas/85—166296.
932/Cal/85—166365.		749/Mas/85—166231.	878/Mas/85—166493.
933/Cal/85—166366.		750/Mas/85—166232.	883/Mas/85—166262.
941/Cal/85—165743.		751/Mas/85—166233.	884/Mas/85—166297.
255/Mas/85—167540.		752/Mas/85—166234.	885/Mas/85—166891.
391/Mas/85—166331.		753/Mas/85—166235.	888/Mas/85—166263.
498/Mas/85—166011.		755/Mas/85—166214.	891/Mas/85—166219.
518/Mas/85—166012.		760/Mas/85—166292.	893/Mas/85—166024.
570/Mas/85—166135.		761/Mas/85—166276.	894/Mas/85—166264.
579/Mas/85—166013.		764/Mas/85—165964.	895/Mas/85—166298.
591/Mas/85—165871.		771/Mas/85—165811.	896/Mas/85—166523.
600/Mas/85—165771.		774/Mas/85—165963.	898/Mas/85—166892.
619/Mas/85—165872.		775/Mas/85—166277.	900/Mas/85—166502.
627/Mas/85—165873.		779/Mas/85—166391.	903/Mas/85—166025.
634/Mas/85—165874.		780/Mas/85—166215.	904/Mas/85—166561.
640/Mas/85—165772.		781/Mas/85—166216.	905/Mas/85—166562.
647/Mas/85—165773.		782/Mas/85—166492.	906/Mas/85—166643.
648/Mas/85—165774.		784/Mas/85—165965.	909/Mas/85—166644.
649/Mas/85—165775.		785/Mas/85—165966.	910/Mas/85—165785.
650/Mas/85—165776.		786/Mas/85—165967.	911/Mas/85—166051.
652/Mas/85—165777.		787/Mas/85—166392.	912/Mas/85—166220.
653/Mas/85—165778.		788/Mas/85—166278.	913/Mas/85—166674.
659/Mas/85—165875.		789/Mas/85—165968.	915/Mas/85—166645.
660/Mas/85—165876.		790/Mas/85—166501.	918/Mas/85—166646.
661/Mas/85—165877.		797/Mas/85—165969.	919/Mas/85—166647.
664/Mas/85—165779.		805/Mas/85—165784.	920/Mas/85—166648.
		806/Mas/85—166279.	921/Mas/85—166026.
		811/Mas/85—165970.	927/Mas/85—166494.
		813/Mas/85—166393.	928/Mas/85—166435.
		814/Mas/85—166280.	929/Mas/85—166649.
		815/Mas/85—166394.	930/Mas/85—165756.
		817/Mas/85—166341.	931/Mas/85—166650.
		819/Mas/85—166293.	932/Mas/85—166524.

1985	1034/Mas/85—166813. 1035/Mas/85—166527. 1036/Mas/85—166609. 112/Del/85—167111. 212/Del/85—167621. 298/Del/85—167506. 309/Del/85—166091. 334/Del/85—166821. 434/Del/85—165762. 438/Del/85—165831. 455/Del/85—166001. 476/Del/85—166255. 516/Del/85—165801. 551/Del/85—166751. 552/Del/85—166581. 563/Del/85—165802. 601/Del/85—165752. 603/Del/85—165832. 605/Del/85—166141. 606/Del/85—166142. 611/Del/85—166143. 614/Del/85—165763. 630/Del/85—166471. 636/Del/85—166472. 660/Del/85—165833. 692/Del/85—165834. 696/Del/85—166913. 697/Del/85—166914. 725/Del/85—166752. 729/Del/85—166915. 735/Del/85—166352. 736/Del/85—165753. 748/Del/85—166752. 768/Del/85—166651. 776/Del/85—166513. 778/Del/85—166418. 783/Del/85—165754. 784/Del/85—165755. 802/Del/85—165836. 805/Del/85—165756. 823/Del/85—166482. 846/Del/85—166241. 848/Del/85—166242. 864/Del/85—166473. 874/Del/85—165757. 894/Del/85—166353. 904/Del/85—166474. 911/Del/85—165758. 923/Del/85—165837. 927/Del/85—165751. 931/Del/85—166354. 939/Del/85—166851. 949/Del/85—166311. 960/Del/85—166822. 967/Del/85—166353. 979/Del/85—166753. 980/Del/85—166483. 987/Del/85—166484. 999/Del/85—165838. 1001/Del/85—165839. 1020/Del/85—166754. 1021/Del/85—165764. 1023/Del/85—166485. 1024/Del/85—166486. 1025/Del/85—166134. 1026/Del/85—166677. 1027/Del/85—167041. 1028/Del/85—167042. 1029/Del/85—166678. 1030/Del/85—166509. 1032/Del/85—166951.	1046/Del/85—165766. 1047/Del/85—165806. 1050/Del/85—166475. 1053/Del/85—166476. 1055/Del/85—166144. 1056/Del/85—166755. 1058/Del/85—165807. 1061/Del/85—166003. 1072/Del/85—165808. 1075/Del/85—166419. 1076/Del/85—165767. 1077/Del/85—165809. 1078/Del/85—165810. 1081/Del/85—165768. 1086/Del/85—167507. 1088/Del/85—167508. 1105/Del/85—165851. 1126/Del/85—165852.
	1986	
	32/Cal/86—165862. 42/Cal/86—165863. 72/Cal/86—166367. 73/Cal/86—166368. 150/Cal/86—166369. 152/Cal/86—166370. 156/Cal/86—165864. 164/Cal/86—165865. 188/Cal/86—165981. 214/Cal/86—165866. 248/Cal/86—165867. 255/Del/86—165868. 257/Cal/86—166326. 269/Cal/86—166326. 277/Cal/86—167221. 291/Cal/86—166121. 301/Cal/86—166371. 324/Cal/86—165793. 335/Cal/86—165841. 339/Cal/86—166372. 340/Cal/86—165859. 344/Cal/86—165870. 345/Cal/86—165983. 347/Cal/86—165744. 369/Cal/85—166081. 382/Cal/86—166122. 387/Cal/86—165842. 389/Cal/86—165984. 390/Cal/86—166441. 392/Cal/86—165745. 393/Cal/86—164843. 398/Cal/86—165794. 401/Cal/86—166327. 402/Cal/86—166373. 404/Cal/86—165746. 408/Cal/86—165795. 417/Cal/86—165747. 420/Cal/86—165844. 429/Cal/86—167371. 439/Cal/86—166374. 440/Cal/86—165985. 441/Cal/86—166082. 445/Cal/86—166375. 448/Cal/86—165845. 450/Cal/86—165748. 451/Cal/86—166611. 468/Cal/86—165846.	

1986 Contd.	701/Cal/86—166634.	902/Cal/86—165800.
477/Cal/86—167161.	704/Cal/86—166406.	906/Cal/86—166464.
478/Cal/86—167781.	710/Cal/86—166127.	918/Cal/86—166619.
480/Cal/86—166328.	712/Cal/86—166330.	921/Cal/86—167782.
486/Cal/86—165847.	713/Cal/86—166832.	923/Cal/86—166465.
487/Cal/86—166329.	714/Cal/86—165987.	924/Cal/86—166620.
491/Cal/86—165848.	727/Cal/86—166407.	926/Cal/86—166704.
492/Cal/86—165849.	728/Cal/86—166616.	927/Cal/86—166129.
496/Cal/86—166123.	730/Cal/86—166408.	928/Cal/86—167783.
499/Cal/86—165749.	731/Cal/86—166443.	934/Cal/86—166130.
500/Cal/86—165850.	739/Cal/86—166409.	936/Cal/86—167073.
503/Cal/86—165901.	743/Cal/86—166410.	937/Cal/86—166745.
510/Cal/86—165902.	744/Cal/86—166325.	940/Cal/86—166746.
514/Cal/86—166376.	748/Cal/86—167641.	943/Cal/86—166747.
523/Cal/86—166631.	749/Cal/86—167642.	947/Cal/86—165989.
528/Cal/86—165903.	750/Cal/86—166324.	948/Cal/86—165990.
532/Cal/86—165822.	752/Cal/86—166128.	950/Cal/86—166090.
534/Cal/86—166377.	753/Cal/86—166421.	957/Cal/86—166621.
550/Cal/86—167162.	761/Cal/86—166323.	70/Bom/86—166071.
562/Cal/86—167163.	763/Cal/86—167551.	93/Bom/86—166041.
563/Cal/86—166124.	764/Cal/86—166422.	106/Bom/86—166042.
571/Cal/86—166442.	766/Cal/86—166444.	123/Bom/86—166971.
585/Cal/86—166378.	768/Cal/86—166322.	139/Bom/86—166043.
587/Cal/86—166379.	769/Cal/86—166423.	147/Bom/86—166044.
588/Cal/86—165904.	770/Cal/86—166445.	178/Bom/86—166072.
589/Cal/86—166380.	773/Cal/86—167372.	208/Bom/86—166781.
590/Cal/86—165823.	774/Cal/86—167352.	209/Bom/86—166910.
592/Cal/86—165824.	775/Cal/86—166424.	221/Bom/86—166045.
598/Cal/86—167071.	776/Cal/86—166833.	222/Bom/86—166046.
599/Cal/86—165796.	779/Cal/86—166635.	223/Bom/86—166047.
602/Cal/86—167072.	783/Cal/86—166446.	228/Bom/86—166048.
607/Cal/86—166083.	784/Cal/86—167373.	245/Bom/86—166049.
608/Cal/86—166612.	785/Cal/86—166086.	252/Bom/86—166111.
609/Cal/86—165986.	787/Cal/86—166447.	278/Bom/86—166112.
611/Cal/86—166381.	802/Cal/86—166425.	281/Bom/86—166151.
613/Cal/86—166382.	803/Cal/86—166426.	300/Bom/86—166050.
614/Cal/86—165905.	805/Cal/86—166427.	325/Bom/86—166152.
617/Cal/86—166084.	806/Cal/86—166448.	362/Bom/86—166113.
622/Cal/86—166613.	807/Cal/86—166087.	365/Bom/86—166899.
623/Cal/86—166632.	808/Cal/86—167643.	01/Mas/86—166567.
630/Cal/86—165821.	810/Cal/86—166449.	02/Mas/86—166138.
633/Cal/86—166383.	811/Cal/86—166636.	03/Mas/86—166923.
634/Cal/86—166742.	814/Cal/86—166637.	08/Mas/86—166952.
636/Cal/86—166384.	815/Cal/86—166088.	10/Mas/86—166941.
638/Cal/86—166385.	819/Cal/86—166428.	11/Mas/86—166981.
642/Cal/86—166386.	823/Cal/86—166429.	12/Mas/86—166030.
644/Cal/86—166633.	825/Cal/86—166321.	14/Mas/86—166814.
645/Cal/86—166387.	828/Cal/86—166089.	15/Mas/86—166679.
646/Cal/86—165797.	830/Cal/86—166450.	16/Mas/86—166691.
647/Cal/86—165798.	846/Cal/86—166430.	17/Mas/86—166982.
649/Cal/86—166388.	849/Cal/86—167644.	19/Mas/86—166591.
653/Cal/86—166085.	852/Cal/86—165799.	20/Mas/86—166368.
656/Cal/86—166389.	857/Cal/86—166638.	21/Mas/86—166569.
659/Cal/86—165906.	860/Cal/86—165988.	23/Mas/86—166056.
661/Cal/86—166831.	868/Cal/86—166531.	24/Mas/86—166570.
665/Cal/86—166390.	870/Cal/86—166532.	30/Mas/86—166592.
667/Cal/86—166614.	874/Cal/86—166617.	32/Mas/86—166815.
670/Cal/86—166125.	875/Cal/86—166743.	35/Mas/86—166942.
674/Cal/86—166126.	877/Cal/86—166461.	39/Mas/86—165994.
675/Cal/86—166401.	884/Cal/86—166639.	40/Mas/86—166139.
681/Cal/86—165907.	885/Cal/86—166640.	43/Mas/86—166935.
684/Cal/86—166615.	886/Cal/86—166701.	44/Mas/86—166953.
685/Cal/86—165908.	889/Cal/86—166702.	45/Mas/86—166692.
687/Cal/86—165909.	890/Cal/86—166744.	47/Mas/86—167081.
695/Cal/86—166402.	891/Cal/86—166703.	48/Mas/86—167082.
697/Cal/86—166403.	893/Cal/86—166463.	49/Mas/86—167083.
698/Cal/86—166404.	896/Cal/86—166463.	50/Mas/86—166140.
699/Cal/86—166405.	897/Cal/86—166618.	51/Mas/86—166267.
700/Cal/86—165750.	901/Cal/86—165910.	52/Mas/86—166943.

1986	192/Mas/86—167184.	307/Mas/86—166578.
53/Mas/86—166528.	193/Mas/86—167144.	308/Mas/86—167401.
55/Mas/86—166680.	195/Mas/86—166867.	312/Mas/86—167333.
58/Mas/86—166924.	196/Mas/86—167233.	313/Mas/86—167441.
59/Mas/86—167084.	197/Mas/86—167234.	314/Mas/86—167247.
60/Mas/86—167085.	198/Mas/86—166577.	317/Mas/86—167248.
61/Mas/86—166936.	199/Mas/86—167145.	319/Mas/86—166990.
62/Mas/86—166593.	200/Mas/86—167051.	321/Mas/86—167174.
64/Mas/86—166572.	202/Mas/86—166695.	322/Mas/86—167275.
66/Mas/86—166925.	203/Mas/86—167241.	324/Mas/86—167313.
68/Mas/86—166983.	204/Mas/86—167096.	325/Mas/86—167314.
70/Mas/86—167086.	205/Mas/86—167235.	327/Mas/86—167249.
72/Mas/86—166574.	206/Mas/86—167146.	328/Mas/86—167334.
75/Mas/86—166594.	207/Mas/86—167271.	329/Mas/86—166894.
76/Mas/86—166954.	208/Mas/86—167213.	330/Mas/86—167442.
78/Mas/86—167141.	209/Mas/86—167236.	331/Mas/86—167315.
79/Mas/86—166984.	211/Mas/86—167097.	333/Mas/86—167175.
81/Mas/86—166595.	212/Mas/86—167186.	334/Mas/86—167435.
84/Mas/86—166573.	214/Mas/86—167098.	335/Mas/86—167250.
86/Mas/86—166893.	216/Mas/86—167185.	336/Mas/98—167316.
89/Mas/86—167087.	218/Mas/86—166987.	337/Mas/86—167251.
92/Mas/86—166268.	219/Mas/86—167272.	338/Mas/86—167317.
93/Mas/86—166955.	220/Mas/86—166938.	339/Mas/86—167276.
94/Mas/86—167671.	221/Mas/86—167187.	340/Mas/86—167318.
102/Mas/86—167081.	222/Mas/86—167147.	344/Mas/86—167383.
104/Mas/86—166693.	224/Mas/86—167237.	345/Mas/86—167277.
106/Mas/86—166956.	227/Mas/86—167148.	346/Mas/86—167712.
107/Mas/86—167121.	229/Mas/86—167149.	348/Mas/86—167402.
108/Mas/86—166985.	230/Mas/86—167238.	349/Mas/86—167384.
109/Mas/86—167043.	231/Mas/86—167242.	355/Mas/86—167278.
111/Mas/86—166529.	232/Mas/86—167188.	359/Mas/86—167279.
112/Mas/86—166937.	235/Mas/86—166927.	360/Mas/86—167335.
114/Mas/86—166926.	237/Mas/86—166868.	361/Mas/86—167/336.
115/Mas/86—167142.	238/Mas/86—167214.	362/Mas/86—167337.
117/Mas/86—167044.	239/Mas/86—167215.	363/Mas/86—167338.
119/Mas/86—166575.	240/Mas/86—167150.	368/Mas/86—167252.
121/Mas/86—166863.	244/Mas/86—167239.	370/Mas/86—167403.
123/Mas/86—166576.	245/Mas/86—167240.	374/Mas/86—167451.
126/Mas/86—167045.	246/Mas/86—167189.	376/Mas/86—167339.
127/Mas/86—167122.	248/Mas/86—167216.	377/Mas/86—167280.
128/Mas/86—166864.	249/Mas/86—166988.	378/Mas/86—167319.
132/Mas/86—167089.	250/Mas/86—167243.	379/Mas/86—167320.
135/Mas/86—166986.	253/Mas/86—167217.	380/Mas/86—167443.
142/Mas/86—167181.	254/Mas/86—167381.	382/Mas/86—167394.
144/Mas/86—167090.	255/Mas/86—167311.	384/Mas/86—167281.
147/Mas/86—167046.	256/Mas/86—167190.	385/Mas/86—167385.
155/Mas/86—167091.	259/Mas/86—166957.	386/Mas/86—166870.
158/Mas/86—167231.	260/Mas/86—167218.	387/Mas/86—167713.
159/Mas/86—166816.	261/Mas/86—167273.	388/Mas/86—167436.
160/Mas/86—167092.	266/Mas/86—167219.	389/Mas/86—167321.
161/Mas/86—167093.	267/Mas/86—167244.	390/Mas/86—167452.
162/Mas/86—167094.	270/Mas/86—166989.	391/Mas/86—167453.
163/Mas/86—166865.	271/Mas/86—167245.	392/Mas/86—167404.
165/Mas/86—167047.	272/Mas/86—167274.	393/Mas/86—167405.
169/Mas/86—166866.	273/Mas/86—167331.	394/Mas/86—167340.
170/Mas/86—167048.	274/Mas/86—167172.	398/Mas/86—167454.
173/Mas/86—167211.	277/Mas/86—167431.	400/Mas/86—167444.
174/Mas/86—167212.	279/Mas/86—167312.	401/Mas/86—167455.
175/Mas/86—167049.	281/Mas/86—167332.	402/Mas/86—167386.
179/Mas/86—166694.	285/Mas/86—167432.	403/Mas/86—167333.
183/Mas/86—167095.	286/Mas/86—166869.	404/Mas/86—167714.
184/Mas/86—167182.	287/Mas/86—167052.	405/Mas/86—167631.
185/Mas/86—167171.	288/Mas/86—167246.	408/Mas/86—167406.
186/Mas/86—167050.	294/Mas/86—167433.	409/Mas/86—167282.
187/Mas/86—166596.	297/Mas/86—167220.	410/Mas/86—167701.
188/Mas/86—167232.	298/Mas/86—167173.	411/Mas/86—167445.
189/Mas/86—167183.	300/Mas/86—167434.	412/Mas/86—167437.
191/Mas/86—167143.	301/Mas/86—167382.	417/Mas/86—167407.
	305/Mas/86—166939.	419/Mas/86—167532.

1986	522/Mas/86—166510.	885/Mas/86—167592.
420/Mas/86—167446.	523/Mas/86—167345.	889/Mas/86—167259.
421/Mas/86—167341.	524/Mas/86—167677.	890/Mas/86—166895.
422/Mas/86—167253.	526/Mas/86—167795.	900/Mas/86—167679.
423/Mas/86—166530.	529/Mas/86—167812.	907/Mas/86—167575.
424/Mas/86—167438.	530/Mas/86—167285.	916/Mas/86—166579.
425/Mas/86—167395.	531/Mas/86—167741.	917/Mas/86—166270.
426/Mas/86—167447.	532/Mas/86—167742.	945/Mas/86—166270.
427/Mas/86—167541.	534/Mas/86—167813.	957/Mas/86—167847.
428/Mas/86—167322.	535/Mas/86—167743.	962/Mas/86—166928.
429/Mas/86—167534.	536/Mas/86—167814.	963/Mas/86—165787.
431/Mas/86—167408.	538/Mas/86—167637.	970/Mas/86—167099.
433/Mas/86—167456.	539/Mas/86—167815.	972/Mas/86—167099.
435/Mas/86—167387.	541/Mas/86—167573.	976/Mas/86—167260.
437/Mas/86—167409.	544/Mas/86—167816.	977/Mas/86—167575.
438/Mas/86—167410.	545/Mas/86—167817.	996/Mas/86—166300.
439/Mas/86—167323.	546/Mas/86—167346.	1007/Mas/86—167459.
440/Mas/86—167176.	547/Mas/86—167796.	1986
441/Mas/86—167791.	548/Mas/86—167546.	02/Del/86—165853.
442/Mas/86—167053.	549/Mas/86—167797.	03/Del/86—165769.
443/Mas/86—167575.	550/Mas/86—167798.	14/Del/86—166652.
444/Mas/86—167535.	557/Mas/86—167801.	16/Del/86—165960.
445/Mas/86—167632.	560/Mas/86—167744.	20/Del/86—165959.
447/Mas/86—167457.	561/Mas/86—167745.	22/Del/86—165958.
448/Mas/86—167342.	562/Mas/86—167799.	23/Del/86—166004.
450/Mas/86—167324.	564/Mas/86—167800.	24/Del/86—166359.
451/Mas/86—167672.	565/Mas/86—167705.	28/Del/86—165854.
452/Mas/86—167536.	566/Mas/86—167802.	30/Del/86—165957.
453/Mas/86—167448.	567/Mas/86—167638.	38/Del/86—166512.
455/Mas/86—167673.	576/Mas/86—167818.	45/Del/86—167112.
456/Mas/86—167715.	578/Mas/86—167639.	50/Del/86—166653.
457/Mas/86—167674.	583/Mas/86—167719.	51/Del/86—165956.
458/Mas/86—167716.	585/Mas/86—167841.	52/Del/86—166005.
459/Mas/86—167343.	587/Mas/86—167458.	53/Del/86—166582.
460/Mas/86—167354.	588/Mas/86—167746.	59/Del/86—166006.
461/Mas/86—167811.	594/Mas/86—167819.	60/Del/86—165955.
462/Mas/86—167633.	596/Mas/86—167820.	61/Del/86—166007.
465/Mas/86—167717.	598/Mas/86—167803.	67/Del/86—166731.
466/Mas/86—167439.	599/Mas/86—167257.	68/Del/86—165954.
467/Mas/86—167542.	604/Mas/86—166269.	71/Del/86—166823.
468/Mas/86—167177.	613/Mas/86—167842.	72/Del/86—165953.
471/Mas/86—167718.	615/Mas/86—167640.	74/Del/86—165991.
472/Mas/86—167544.	629/Mas/86—167843.	75/Del/86—165952.
474/Mas/86—167702.	630/Mas/86—167804.	76/Del/86—165951.
475/Mas/86—167123.	631/Mas/86—167844.	79/Del/86—166514.
477/Mas/86—167792.	636/Mas/86—167747.	80/Del/86—165891.
482/Mas/86—167634.	638/Mas/86—167392.	81/Del/86—166281.
484/Mas/86—167635.	640/Mas/86—167537.	82/Del/86—165892.
485/Mas/86—167178.	644/Mas/86—167054.	84/Del/86—166008.
486/Mas/86—167572.	653/Mas/86—167054.	85/Del/86—165992.
489/Mas/86—167793.	656/Mas/86—167805.	86—Del/86—166009.
490/Mas/86—167636.	659/Mas/86—167180.	88/Del/86—165893.
491/Mas/86—167388.	671/Mas/86—167706.	92/Del/86—165894.
492/Mas/86—167389.	686/Mas/86—167602.	102/Del/86—165895.
493/Mas/86—167344.	688/Mas/86—167591.	104/Del/86—166282.
494/Mas/86—167255.	696/Mas/86—167806.	107/Del/86—166092.
496/Mas/86—166696.	721/Mas/86—167748.	110/Del/86—166093.
497/Mas/86—167179.	727/Mas/86—167603.	116/Del/86—166487.
499/Mas/86—167440.	741/Mas/86—167325.	118/Del/86—165896.
503/Mas/86—167390.	760/Mas/86—167846.	119/Del/86—166243.
504/Mas/86—167703.	763/Mas/86—167678.	121/Del/86—165770.
507/Mas/86—167675.	768/Mas/86—166326.	122/Del/86—166244.
509/Mas/86—167449.	798/Mas/86—166807.	130/Del/86—167001.
510/Mas/86—167284.	800/Mas/86—167808.	133/Del/86—166010.
511/Mas/86—167794.	813/Mas/86—166697.	139/Del/86—166412.
517/Mas/86—167676.	822/Mas/86—167258.	140/Del/86—167113.
518/Mas/86—167391.	827/Mas/86—167393.	141/Del/86—165993.
519/Mas/86—167256.	839/Mas/86—167574.	145/Del/86—165897.
520/Mas/86—167704.	873/Mas/86—167707.	148/Del/86—166413.
	875/Mas/86—167547.	

1986	310/Del/86—167304.	462/Del/86—166228.
149/Del/86—165898.	311/Del/86—167001.	463/Del/86—167024.
152/Del/86—166251.	314/Del/86—166285.	464/Del/86—167483.
153/Del/86—16594.	319/Del/86—156222.	465/Del/86—166657.
154/Del/86—166357.	320/Del/86—166223.	466/Del/86—166246.
158/Del/86—166852.	326/Del/86—166722.	468/Del/86—166229.
159/Del/86—165855.	327/Del/86—165825.	469/Del/86—167117.
160/Del/86—166451.	329/Del/86—166961.	471/Del/86—166658.
161/Del/86—165899.	334/Del/86—166681.	472/Del/86—166455.
162/Del/86—165900.	336/Del/86—166757.	473/Del/86—166683.
163/Del/86—166824.	337/Del/86—166224.	476/Del/86—165913.
164/Del/86—165995.	338/Del/86—165859.	478/Del/86—165973.
165/Del/86—167751.	343/Del/86—165184.	479/Del/86—166230.
166/Del/86—165931.	344/Del/86—167509.	481/Del/86—166456.
167/Del/86—166488.	345/Del/86—165938.	483/Del/86—166759.
171/Del/86—166358.	346/Del/86—166105.	488/Del/86—167007.
174/Del/86—166452.	349/Del/86—166253.	489/Del/86—166110.
177/Del/86—166145.	352/Del/86—167305.	492/Del/86—166247.
179/Del/86—166359.	355/Del/86—165939.	493/Del/86—165974.
180/Del/86—165856.	356/Del/86—167021.	495/Del/86—166457.
185/Del/86—165932.	358/Del/86—167022.	498/Del/86—167581.
187/Del/86—166181.	359/Del/86—167831.	501/Del/86—166161.
198/Del/86—165933.	362/Del/86—165940.	502/Del/86—166584.
203/Del/86—167030.	365/Del/86—166185.	503/Del/86—166585.
206/Del/86—166182.	366/Del/86—165860.	506/Del/86—166684.
207/Del/86—166245.	367/Del/86—166735.	510/Del/86—166685.
209/Del/86—165857.	368/Del/86—166736.	511/Del/86—165914.
210/Del/86—166515.	369/Del/86—165911.	512/Del/86—166760.
212/Del/86—165453.	370/Del/86—167023.	513/Del/86—167025.
213/Del/86—166996.	371/Del/86—167482.	515/Del/86—166771.
222/Del/86—166183.	374/Del/86—167114.	516/Del/86—167309.
224/Del/86—166414.	375/Del/86—166962.	517/Del/86—167205.
226/Del/86—166732.	376/Del/86—167306.	519/Del/86—167661.
230/Del/86—166101.	380/Del/86—166737.	520/Del/86—166162.
233/Del/86—155934.	392/Del/86—166682.	521/Del/86—166095.
235/Del/86—165997.	393/Del/86—166186.	522/Del/86—166163.
240/Del/86—165102.	398/Del/86—166738.	525/Del/86—166772.
245/Del/86—166733.	399/Del/86—166225.	526/Del/86—167662.
247/Del/86—166283.	402/Del/86—166226.	528/Del/86—166773.
248/Del/86—166721.	405/Del/86—165759.	529/Del/85—165975.
250/Del/86—167002.	406/Del/86—165912.	530/Del/86—165976.
251/Del/86—165935.	407/Del/86—166739.	532/Del/86—166826.
254/Del/86—165971.	408/Del/86—165972.	533/Del/86—167026.
255/Del/86—165998.	409/Del/86—166106.	534/Del/86—166477.
257/Del/86—166146.	410/Del/86—166415.	535/Del/86—167027.
260/Del/86—166147.	411/Del/86—166723.	537/Del/86—166686.
261/Del/86—166454.	414/Del/86—166107.	538/Del/86—167008.
266/Del/86—167301.	416/Del/86—166187.	539/Del/86—166774.
272/Del/86—167302.	418/Del/86—167115.	542/Del/86—166639.
273/Del/86—167003.	422/Del/86—167006.	543/Del/86—166660.
274/Del/86—166252.	424/Del/86—167307.	546/Del/86—166775.
276/Del/86—166853.	425/Del/86—166854.	549/Del/86—166458.
277/Del/86—166148.	428/Del/86—166254.	552/Del/86—166517.
279/Del/86—166655.	431/Del/86—166516.	553/Del/86—165915.
281/Del/86—166734.	432/Del/86—166094.	555/Del/86—166459.
282/Del/86—166149.	434/Del/86—166758.	558/Del/86—166964.
284/Del/86—166103.	435/Del/86—167116.	561/Del/86—166256.
290/Del/86—166736.	436/Del/86—166227.	565/Del/86—166965.
292/Del/86—166284.	437/Del/86—166917.	566/Del/86—166856.
294/Del/86—165858.	438/Del/86—166963.	567/Del/86—166460.
296/Del/86—165916.	439/Del/86—166108.	568/Del/86—166288.
298/Del/86—165937.	440/Del/86—166855.	570/Del/86—166586.
300/Del/86—167303.	441/Del/86—166583.	571/Del/86—166827.
302/Del/86—166104.	442/Del/86—166286.	579/Del/86—167028.
304/Del/86—166150.	446/Del/86—166109.	580/Del/86—167484.
306/Del/86—166916.	452/Del/86—167308.	582/Del/86—167582.
307/Del/86—166221.	454/Del/86—166188.	583/Del/86—167029.
309/Del/86—166431.	457/Del/86—166189.	585/Del/86—167583.
	459/Del/86—166287.	

1986	712/Del/86—166096. 714/Del/86—166862. 586/Del/86—166432. 587/Del/86—167031. 589/Del/86—166257. 591/Del/86—166661. 594/Del/86—167851. 596/Del/86—167752. 597/Del/86—166912. 599/Del/86—166662. 600/Del/86—166663. 601/Del/86—166857. 603/Del/86—167663. 605/Del/86—166478. 608/Del/86—167032. 610/Del/86—167009. 611/Del/86—166776. 615/Del/86—166190. 616/Del/86—166479. 617/Del/86—167033. 620/Del/86—167585. 621/Del/86—166777. 622/Del/86—166858. 629/Del/86—166859. 630/Del/86—166664. 634/Del/86—166966. 635/Del/86—166967. 636/Del/86—167852. 637/Del/86—166968. 639/Del/86—166778. 640/Del/86—167832. 643/Del/86—166828. 644/Del/86—167833. 645/Del/86—166918. 648/Del/86—167310. 649/Del/86—167010. 652/Del/86—167034. 654/Del/86—167834. 655/Del/86—166919. 657/Del/86—166687. 660/Del/86—166433. 663/Del/86—165977. 664/Del/86—166312. 665/Del/86—167853. 670/Del/86—166258. 671/Del/86—166259. 672/Del/86—166360. 673/Del/86—166313. 674/Del/86—165978. 676/Del/86—167035. 678/Del/86—165999. 679/Del/86—167835. 680/Del/86—167753. 681/Del/86—166724. 682/Del/86—166860. 683/Del/86—166587. 684/Del/86—167011. 688/Del/86—167510. 689/Del/86—167854. 691/Del/86—167036. 692/Del/86—166969. 694/Del/86—166248. 696/Del/86—167836. 700/Del/86—166434. 707/Del/86—166779. 708/Del/86—167837. 709/Del/86—166665. 711/Del/86—166861.	905/Del/86—167667. 911/Del/86—167856. 914/Del/86—167857. 921/Del/86—167019. 922/Del/86—165760. 925/Del/86—166167. 935/Del/86—167119. 944/Del/86—166097. 955/Del/86—167858. 960/Del/86—167020. 971/Del/86—166168. 972/Del/86—167859. 975/Del/86—167586. 986/Del/86—166519. 991/Del/86—167488. 994/Del/86—166319. 995/Del/86—166829. 996/Del/86—167756. 999/Del/86—166480. 1005/Del/86—166169. 1012/Del/86—167860. 1013/Del/86—167489. 1018/Del/86—167668. 1019/Del/86—166320. 1022/Del/86—167620. 1023/Del/86—166170. 1026/Del/86—167490. 1029/Del/86—166491. 1039/Del/86—167757. 1049/Del/86—167669. 1052/Del/86—165918. 1053/Del/86—165919. 1054/Del/86—176491. 1055/Del/86—167681. 1056/Del/86—167492. 1057/Del/86—167493. 1058/Del/86—167494. 1073/Del/86—166000. 1077/Del/86—165980. 1087/Del/86—167670. 1092/Del/86—165920. 1093/Del/86—167589. 1097/Del/86—167120. 1100/Del/86—167622. 1110/Del/86—167758. 1131/Del/86—166690. 1133/Del/86—167623. 1144/Del/86—166670. 1145/Del/86—166830. 1146/Del/86—166250. 1148/Del/86—167040. 1153/Del/86—167624. 1154/Del/86—167625. 1156/Del/86—166481.
1987	05/Cal/87—165881. 07/Cal/87—166466. 10/Cal/87—167261. 13/Cal/87—167374. 14/Cal/87—166705. 16/Cal/87—166533. 23/Cal/87—166706. 24/Cal/87—166748. 35/Cal/87—166031.	

1987	243/Cal/87—166844.	450/Cal/87—166794.
41/Cal/87—166534.	245/Cal/87—167222.	451/Cal/87—166580.
44/Cal/87—165825.	246/Cal/87—167691.	452/Cal/87—166547.
45/Cal/87—166032.	247/Cal/87—166470.	456/Cal/87—167080.
46/Cal/87—166191.	248/Cal/87—166083.	460/Cal/87—167824.
50/Cal/87—167158.	254/Cal/87—167554.	463/Cal/87—166195.
55/Cal/87—166033.	260/Cal/87—167223.	465/Cal/87—166066.
56/Cal/87—166707.	263/Cal/87—167075.	466/Cal/87—166548.
57/Cal/87—166708.	267/Cal/87—166541.	468/Cal/87—167101.
58/Cal/87—166749.	269/Cal/87—165887.	470/Cal/87—167157.
59/Cal/87—167552.	284/Cal/87—167355.	472/Cal/87—167722.
60/Cal/87—166750.	285/Cal/87—167224.	473/Cal/87—167227.
61/Cal/87—166841.	287/Cal/87—167076.	474/Cal/87—167647.
62/Cal/87—165883.	288/Cal/87—166542.	478/Cal/87—167560.
66/Cal/87—165882.	289/Cal/87—167652.	484/Cal/87—165946.
68/Cal/87—166622.	290/Cal/87—167822.	485/Cal/87—166549.
78/Cal/87—166842.	296/Cal/87—167375.	491/Cal/87—166067.
79/Cal/87—165826.	297/Cal/87—167225.	493/Cal/87—166037.
80/Cal/87—165827.	298/Cal/87—167266.	494/Cal/87—166881.
82/Cal/87—166709.	299/Cal/87—166064.	495/Cal/87—167474.
83/Cal/87—165828.	303/Cal/87—165888.	496/Cal/87—167654.
91/Cal/87—167645.	304/Cal/87—167356.	497/Cal/87—166196.
92/Cal/87—166192.	305/Cal/87—167357.	500/Cal/87—167693.
96/Cal/87—167553.	309/Cal/87—167471.	501/Cal/87—167825.
99/Cal/87—166535.	312/Cal/87—166543.	506/Cal/87—167826.
103/Cal/87—167262.	314/Cal/87—165889.	507/Cal/87—167102.
105/Cal/87—166623.	330/Cal/87—166845.	509/Cal/87—167268.
107/Cal/87—166536.	332/Cal/87—166544.	511/Cal/87—167103.
112/Cal/87—165884.	333/Cal/87—167555.	512/Cal/87—167165.
114/Cal/87—166537.	334/Cal/87—167721.	518/Cal/87—167561.
115/Cal/87—166034.	340/Cal/87—167077.	523/Cal/87—165890.
120/Cal/87—167821.	342/Cal/87—166846.	537/Cal/87—167359.
125/Cal/98—167861.	343/Cal/87—167692.	538/Cal/87—167862.
128/Cal/87—166538.	346/Cal/87—165941.	541/Cal/87—167827.
129/Cal/87—166710.	437/Cal/87—165942.	542/Cal/87—167828.
131/Cal/87—167263.	348/Cal/87—165943.	(545/Cal/87—167475.
133/Cal/87—166843.	349/Cal/87—165944.	546/Cal/87—167863.
140/Cal/87—165885.	351/Cal/87—166036.	553/Cal/87—167159.
141/Cal/87—166539.	352/Cal/87—166625.	555/Cal/87—167723.
142/Cal/87—166540.	357/Cal/87—167226.	560/Cal/87—167562.
144/Cal/87—166834.	360/Cal/87—166626.	563/Cal/87—167360.
152/Cal/87—166467.	361/Cal/87—167358.	568/Cal/87—166629.
156/Cal/87—167151.	362/Cal/87—167472.	577/Cal/87—166795.
157/Cal/87—167152.	363/Cal/87—167267.	578/Cal/87—167864.
158/Cal/87—167264.	376/Cal/87—167154.	579/Cal/87—167724.
159/Cal/87—166835.	377/Cal/87—167536.	588/Cal/87—167694.
164/Cal/87—166061.	378/Cal/87—166545.	590/Cal/87—167865.
170/Cal/87—166836.	379/Cal/87—166627.	598/Cal/87—166068.
171/Cal/87—166837.	380/Cal/87—167155.	600/Cal/87—165947.
172/Cal/87—166838.	385/Cal/87—166193.	607/Cal/87—167563.
174/Cal/87—166468.	386/Cal/87—166847.	608/Cal/87—166796.
176/Cal/87—166062.	391/Cal/87—167156.	610/Cal/87—166197.
177/Cal/87—165886.	402/Cal/87—167078.	614/Cal/87—165948.
179/Cal/87—166624.	415/Cal/87—166065.	621/Cal/87—166069.
180/Cal/87—167074.	418/Cal/87—166848.	624/Cal/87—166550.
186/Cal/87—167265.	419/Cal/87—167823.	626/Cal/87—167104.
197/Cal/87—167164.	421/Cal/87—167473.	627/Cal/87—167105.
200/Cal/87—166791.	422/Cal/87—167079.	635/Cal/87—167695.
208/Cal/87—166063.	423/Cal/87—165945.	638/Cal/87—167696.
212/Cal/87—167353.	424/Cal/87—166194.	641/Cal/87—167377.
214/Cal/87—166792.	427/Cal/87—166456.	642/Cal/87—166797.
215/Cal/87—166469.	428/Cal/87—166628.	643/Cal/87—167378.
220/Cal/87—166839.	430/Cal/87—167653.	644/Cal/87—167106.
221/Cal/87—167354.	433/Cal/87—166849.	645/Cal/87—167564.
223/Cal/87—166793.	434/Cal/87—167357.	651/Cal/87—167565.
239/Cal/87—166840.	436/Cal/87—167558.	652/Cal/87—166798.
242/Cal/87—167153.	439/Cal/87—167559.	660/Cal/87—167784.
	442/Cal/87—167646.	662/Cal/87—167725.

1987	31/Bom/87—166155.	317/Bom/87—166769.
669/Cal/87—167379.	36/Bom/87—166156.	319/Bom/87—166807.
670/Cal/87—167566.	37/Bom/87—167291.	323/Bom/87—166975.
676/Cal/87—167107.	43/Bom/87—166157.	324/Bom/87—166976.
677/Cal/87—167697.	45/Bom/87—167411.	327/Bom/87—166808.
678/Cal/87—166799.	50/Bom/87—166900.	331/Bom/87—166210.
679/Cal/87—165829.	67/Bom/87—166073.	332/Bom/87—166977.
680/Cal/87—167785.	73/Bom/87—166303.	335/Bom/87—166992.
681/Cal/87—167698.	87/Bom/87—167771.	342/Bom/87—166120.
688/Cal/87—166070.	91/Bom/87—167461.	344/Bom/87—166809.
690/Cal/87—167108.	115/Bom/87—166158.	354/Bom/87—166978.
692/Cal/87—167109.	123/Bom/87—166159.	357/Bom/87—167132.
694/Cal/87—166038.	125/Bom/87—166761.	363/Bom/87—167463.
696/Cal/87—166551.	126/Bom/87—166160.	364/Bom/87—167420.
714/Cal/87—167655.	129/Bom/87—166762.	365/Bom/87—167062.
715/Cal/87—167656.	131/Bom/87—166304.	366/Bom/87—167464.
725/Cal/87—167567.	137/Bom/87—167412.	367/Bom/87—167292.
727/Cal/87—167786.	148/Bom/87—166114.	368/Bom/87—167293.
728/Cal/87—167110.	153/Bom/87—166972.	369/Bom/87—167063.
740/Cal/87—167228.	159/Bom/87—166763.	370/Bom/87—166979.
742/Cal/87—167866.	164/Bom/87—166115.	371/Bom/87—166993.
765/Cal/87—167867.	166/Bom/87—166302.	374/Bom/87—166994.
766/Cal/87—167787.	167/Bom/87—166764.	382/Bom/87—167522.
774/Cal/87—167166.	168/Bom/87—167413.	384/Bom/87—166995.
775/Cal/87—167657.	171/Bom/87—167462.	385/Bom/87—167523.
781/Cal/87—167380.	173/Bom/87—166116.	386/Bom/87—167421.
796/Cal/87—167658.	185/Bom/87—167131.	62/Mas/87—167809.
797/Cal/87—167160.	187/Bom/87—166305.	64/Mas/87—167124.
798/Cal/87—166871.	191/Bom/87—166306.	90/Mas/87—166597.
802/Cal/87—167788.	193/Bom/87—166765.	100/Mas/87—167192.
811/Cal/87—166800.	198/Bom/87—166307.	144/Mas/87—167849.
815/Cal/87—166872.	199/Bom/87—166308.	200/Mas/87—167193.
817/Cal/87—166711.	207/Bom/87—166309.	201/Mas/87—167125.
818/Cal/87—165949.	209/Bom/87—167414.	218/Mas/87—166698.
843/Cal/87—167726.	212/Bom/87—166801.	243/Mas/87—167126.
847/Cal/87—167727.	216/Bom/87—166201.	331/Mas/87—167194.
850./Cal/87—165921.	224/Bom/87—166202.	348/Mas/87—166958.
858/Cal/87—166873.	227/Bom/87—166117.	349/Mas/87—167327.
861/Cal/87—166712.	231/Bom/87—166310.	350/Mas/87—167604.
867/Cal/87—166874.	232/Bom/87—166203.	410/Mas/87—167328.
869/Cal/87—165922.	233/Bom/87—166118.	416/Mas/87—167195.
883/Cal/87—167868.	236/Bom/87—166204.	456/Mas/87—166580.
884/Cal/87—167869.	238/Bom/87—167521.	457/Mas/87—165789.
887/Cal/87—167728.	240/Bom/87—166802.	489/Mas/87—167127.
889/Cal/87—166552.	241/Bom/87—166205.	500/Mas/87—167329.
890/Cal/87—166553.	247/Bom/87—166206.	514/Mas/87—165790.
892/Cal/87—166950.	248/Bom/87—166803.	527/Mas/87—167055.
895/Cal/87—166713.	252/Bom/87—166207.	584/Mas/87—165818.
897/Cal/87—167568.	253/Bom/87—166208.	586/Mas/87—166817.
922/Cal/87—166875.	254/Bom/87—167415.	591/Mas/87—167286.
923/Cal/87—167870.	256/Bom/87—166991.	628/Mas/87—167056.
928/Cal/87—167167.	257/Bom/87—166973.	631/Mas/87—167347.
929/Cal/87—166714	258/Bom/87—167416.	642/Mas/87—165819.
934/Cal/87—165830.	259/Bom/87—167417.	671/Mas/87—167538.
936/Cal/87—166554.	260/Bom/87—167418.	677/Mas/87—167348.
953/Cal/87—167699.	261/Bom/87—167061.	686/Mas/87—166057.
955/Cal/87—167648.	264/Bom/87—167772.	708/Mas/87—165820.
957/Cal/87—166715.	269/Bom/87—166766.	725/Mos/87—167287.
964/Cal/87—167476.	272/Bom/87—166805.	726/Mas/87—167577.
983/Cal/87—167730.	296/Bom/87—166767.	732/Mas/87—166058.
984/Cal/87—167729.	297/Bom/87—166974.	736/Mas/87—167450.
992/Cal/87—166555.	303/Bom/87—166804.	783/Mas/87—167810.
998/Cal/87—165923.	304/Bom/87—166806.	799/Mas/87—167057.
1004/Cal/87—166556.	305/Bom/87—166768.	800/Mas/87—166059.
07/Bom/87—166153.	308/Bom/87—166119.	826/Mas/87—167605.
26/Bom/87—166154.	309/Bom/87—167773.	835/Mas/87—166598.
27/Bom/87—166301.	312/Bom/87—166209.	860/Mas/87—167330.
	316/Bom/87—167419.	886/Mas/87—166599.

1987	857/Del/87—167498. 881/Del/87—167769. 986/Del/87—167740. 1038/Del/87—167499. 1050/Del/87—167840. 1114/Del/87—166100. 1121/Del/87—167619. 1161/Del/87—167500.	854/Cal/88—166887. 855/Cal/88—166888. 856/Cal/88—166889. 939/Cal/88—167659. 970/Cal/88—167480. 1047/Cal/88—165930. 10/Bom/88—167064. 12/Bom/88—166996. 13/Bom/88—166782. 17/Bom/88—167294. 18/Bom/88—167524. 20/Bom/88—167065.
	1988	21/Bom/88—166783. 23/Bom/88—167422. 24/Bom/88—166074. 25/Bom/88—166075. 33/Bom/88—167295. 35/Bom/88—167423. 36/Bom/88—167424. 41/Bom/88—166076. 42/Bom/88—166901. 45/Bom/88—166980. 46/Bom/88—167425. 47/Bom/88—167426. 48/Bom/88—167133. 49/Bom/88—167296. 52/Bom/88—166997. 54/Bom/88—167297. 56/Bom/88—167774. 60/Bom/88—167525. 61/Bom/88—166078. 63/Bom/88—166784. 66/Bom/88—166902. 75/Bom/88—167298. 76/Bom/88—166785. 86/Bom/88—166903. 95/Bom/88—167066. 99/Bom/88—167134. 106/Bom/88—167135. 107/Bom/88—166904. 112/Bom/88—167299. 119/Bom/88—167067. 120/Bom/88—167136. 121/Bom/88—166998. 128/Bom/88—166786. 135/Bom/88—167427. 139/Bom/88—166077. 143/Bom/88—167428. 152/Bom/88—167429. 159/Bom/88—167465. 166/Bom/88—167137. 167/Bom/88—167526. 169/Bom/88—167430. 171/Bom/88—166999. 180/Bom/88—167775. 181/Bom/88—167466. 189/Bom/88—167467. 190/Bom/88—167468. 193/Bom/88—167138. 201/Bom/88—167068. 203/Bom/88—167000. 206/Bom/88—166787. 208/Bom/88—167527. 209/Bom/88—166788. 225/Bom/88—167069. 226/Bom/88—166905. 228/Bom/88—167469. 230/Bom/88—167070. 231/Bom/88—166789.
		859/Del/87—166290. 896/Del/87—167590. 623/Del/87—167208. 624/Del/87—167209. 626/Del/87—167210. 658/Del/87—167768. 744/Del/87—167687. 800/Del/87—166740. 817/Del/87—167737. 818/Del/87—167738.
		693/Cal/88—167368. 696/Cal/88—166883. 727/Cal/88—166884. 733/Cal/88—167478. 749/Cal/88—166885. 750/Cal/88—165928. 802/Cal/88—167479. 816/Cal/88—167570. 851/Cal/88—166886.

1988	231/Mas/88—166949. 232/Mas/88—166950. 233/Bom/88—166770. 236/Bom/88—167776. 245/Bom/88—167528. 250/Bom/88—166079. 254/Bom/88—166906. 261/Bom/88—166790. 286/Bom/88—166907. 287/Bom/88—166908. 291/Bom/88—167777. 302/Bom/88—167300. 329/Bom/88—166909. 351/Bom/88—166080. 11/Mas/88—166060. 18/Mas/88—167058. 39/Mas/88—166929. 46/Mas/88—167349. 56/Mas/88—167288. 68/Mas/88—166499. 73/Mas/88—166959. 103/Mas/88—167460. 107/Mas/88—166944. 108/Mas/88—166819. 112/Mas/88—166960. 125/Mas/88—166610. 135/Mas/88—166820. 140/Mas/88—166945. 149/Mas/88—166945. 180/Mas/88—167128. 181/Mas/88—167129. 182/Mas/88—167130. 183/Mas/88—167196. 192/Mas/88—167100. 197/Mas/88—166946. 205/Mas/88—166947. 206/Mas/88—167593. 208/Mas/88—167531. 220/Mas/88—166948.	235/Mas/88—167198. 238/Mas/88—167197. 240/Mas/88—166898. 289/Mas/88—167199. 312/Mas/88—167059. 325/Mas/88—167289. 343/Mas/88—167060. 368/Mas/88—167594. 427/Mas/88—167396. 465/Mas/88—167200. 473/Mas/88—167548. 478/Mas/88—167397. 493/Mas/88—167709. 509/Mas/88—167749. 515/Mas/88—167578. 519/Mas/88—167579. 536/Mas/88—167290. 555/Mas/88—167549. 556/Mas/88—167550. 594/Mas/88—167606. 609/Mas/88—167595. 611/Mas/88—167848. 612/Mas/88—167596. 613/Mas/88—167597. 620/Mas/88—167398. 623/Mas/88—166699. 624/Mas/88—166700. 626/Mas/88—167607. 651/Mas/88—167598. 657/Mas/88—167599. 672/Mas/88—167850. 673/Mas/88—167750. 675/Mas/88—167608. 682/Mas/88—167720. 688/Mas/88—167399. 695/Mas/88—167600. 735/Mas/88—167580. 754/Mas/88—167609.	755/Mas/88—167680. 895/Mas/88—167400. 898/Mas/88—166930. 932/Mas/88—167710. 22/Del/88—167770. 73/Del/88—166420. 410/Del/88—167688. 411/Del/88—167689. 522/Del/88—167626. 523/Del/88—167627. 544/Del/88—167690.
		1989	
		33/Cal/89—167370. 120/Cal/89—166039. 528/Cal/89—167830. 580/Cal/89—167376. 10/Bom/89—167529. 21/Bom/89—167530. 22/Bom/89—167778. 25/Bom/89—167779. 76/Bom/89—167139. 77/Bom/89—167140. 122/Bom/89—167780. 349/Bom/89—166810. 07/Mas/89—166940. 62/Mas/89—167350. 74/Mas/89—167610. 46/Del/89—167732. 189/Del/89—166654. 214/Del/89—167628. 215/Del/89—167629. 216/Del/89—167630. 390/Del/89—166656. 689/Del/89—165803.	
		1990	
		71/Cal/90—166890.	

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration of the design included in the entry.

Class 1. No. 164819. Sagar Vishnu Jog of Lunar Enterprise at Antatal, Plot No. 464/B/2, Block No. 1, Ganeshkhind Road, Pune-411416, Maharashtra, India. "Milling Machine". September 28, 1992.

Class 1. No. 165059. Raju Khara, Indian of 27, Weston Street, Room No. 301, 3rd floor, Calcutta-700012, West Bengal, India. "Torch". November 30, 1992.

Class 1. No. 165060. Raju Khara, Indian of 27, Weston Street, Room No. 301, 3rd floor, Calcutta-700012, West Bengal, India. "Torch". November 30, 1992.

Class 3. No. 164656. Minni Trading Corporation of 5-B, Kanchan Villa, Coraswadi, Malad (West) Bombay-64, Maharashtra, India, Indian Partnership Firm. "Bottle". August 6, 1992.

Class 3. No. 164927. MRF Limited, Indian Company of 124, Greams Road, Madras-600006, T.N., India. "Pre-cured Tread Rubber". November 3, 1992.

Class 12. No. 164645. Richie Rich Products, A-18, Ram House, Middle Circle, Connaught Place, New Delhi-110001 India, Indian Sole Proprietary Firm. "Wall clock-toy made of fabrics". July 31, 1992.

R. A. ACHARYA
Controller General of Patents Designs
And Trade Marks.

